



# polywed

CONSTRUCTION CHEMICALS

## CORPORATE PROFILE & TECHNICAL SUBMITTAL

### POLYWED OVERVIEW

A privately-held industrial company founded in 1988 in Jeddah, Saudi Arabia that specializes in locally manufacturing and distributing a series of high-performance building materials & construction chemicals.



Information



Products



Services



Datasheets

WWW.POLYWED.COM.SA

**WELCOME to**

# **The Progressive Center Company for Building Materials**

Also, known by our brand names "Polywed" and "Union Build" we are a private industrial company that was founded in 1988 in Jeddah, Saudi Arabia and we specialize in locally manufacturing building materials and construction chemicals such as; Tile Adhesives, Waterproofing Systems, Epoxy Products, Bonding Agents, Repair Products, and many more.

**01****ABOUT POLYWED**

Company Introduction	05
Competitive Advantage	09
Production Overview	10
Quality Management	11
Cost Effective Solutions	12
Corporate Philosophy	13
Corporate Culture	14
Logistical Overview	15
Become an official distributor	17
Al Marbaie Holding Group	19
Brand Heritage	21
CSR Strategy	25
Corporate Values	27
Vision 2030	29

**02****PRODUCTS AND TECHNICAL DATA SHEETS**

Tile Adhesives	37
Grouts	49
Epoxy Products	61
Paints	77
Repair Products	95
Bonding Agents	107
Waterproof Products	121
Putty	141
Pastures	147
Chemical Solutions	151
Tools and Safety Equipment	157
Sustainable Construction Products	159

**03****TECHNICAL SERVICE PROFILE**

Specialized Delivery	163
Consultation and technical Support	164
Export of product	165
Sampling and product demonstration	166
Custom built product development	167
Product application	168

**04****ACCREDITATIONS AND TECHNICAL SUBMITTAL**

Project Certifications	161
Product Certifications	162
Factory Compliances	

**05****CONTACT US**

Contact information	165
Corporate headquarters	166
Rabigh Factory	166
Where to find us	166

ABOUT

# Polywed



# Index

Company Introduction	05
Competitive Advantage	09
Production Overview	10
Quality Management	11
Cost Effective Solutions	12
Corporate Philosophy	13
Corporate Culture	14
Logistical Overview	15
Become an official distributor	17
Al Marbaie Holding Group	19
Brand Heritage	21
CSR Strategy	25
Corporate Values	27
Vision 2030	29


# COMPANY Introduction

The Progressive Center Company is privately held industrial company that was founded in 1988 in Jeddah, Saudi Arabia, which specializes in locally manufacturing a comprehensive series of high-performance Building Materials and advanced construction chemicals that cater to modern construction demands and conditions of the Middle East and Africa.



Officially known as Polywed, The company was established in 1988 by Sheikh Waleed Ali Al Marabie and his business partners. The company grew from a humble manufacturer and supplier of tiles adhesives to the factory it is today in Rabigh, Saudi Arabia. We pride ourselves with unmatched technical experience that spans three decades of manufacturing, chemical expertise, quality control, distribution, and technical support. The fundamental basis for PolyWed is rigorous quality control in the development and production, and constant method optimisation.

Through that ideology, Polywed has met the demands of the construction industry by setting the highest standard. Our unmatched research and development infrastructure generates a constant flow of innovative systems and solutions based, to supply the customer with superior quality.



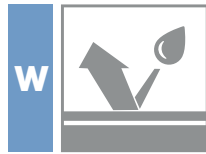
Our experience alongside a constant dialogue with our end users and onsite professionals has led us to innovate our product and services line to provide our clients with sixty unique locally manufactured products and six supporting technical services. Our product range are optimally matched, cost-effective, easy to use, and provide optimum coverage and resistance.

While on the other hand our devoted project management teams deliver support from the manufacturing phase all the way to delivery and then finally execution on the project site. Moreover our technical staff offer courses on Polywed product application in our headquarters in Jeddah, Saudi Arabia. We pride ourselves with our diverse pool of human capital and our on site know-how. We believe that technical knowledge should be passed down to the builders, contractors, and on site engineers to strengthen their own technical application expertise.

# SUMMARY OF Products



Grout



Waterproofing



Bonding Agents



Tile Adhesives



Plasters



Epoxy



Paint



Putty



Chemical Solutions



Repair Products



Sustainable  
Construction



Tools & safety  
equipments

# SUMMARY OF Services |



**Specialized Delivery**



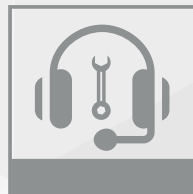
**Export of Product**



**Sampling and Product  
Demonstration**



**Product Application**



**Consultation And  
Technical Support**



**Custom Built  
Product Development**

# COMPETITIVE Advantage

The construction sector is growing at a very rapid rate in the GCC. With the massive infrastructural development and projects being laid down all around the Kingdom of Saudi Arabia and the GCC countries, Polywed has nurtured the local markets needs for chemical construction materials and has been serving industrial customers in the building



manufacturing segment for over 30 years with products that have proved themselves resilient under the most stringent conditions. Moreover, The progressive center company has expanded its projects in the last 15 years to supply the MENA region. Polywed currently operates and distributes its products all over Saudi Arabia in addition to our partners in the UAE, Egypt, Jordan, Iraq, Yemen, Lebanon, and Syria.



# PRODUCTION Overview

All our products are manufactured in our own factory based in Jeddah, Saudi Arabia, in accordance with the specified Saudi legislations put down by the Saudi Ministry of Trade and Investment. All our products follow The Saudi Standards for Metrology and Quality Organization. In addition to the German Wacker chemical production standards.



Running products are distributed to the client Locally within a time frame of 24 - 48 hours. These products are delivered either from the factory warehouse or our nearest distributing warehouse, depending on the region. Custom-built products with exclusive product specifications demanded by our clients take up to 72 hours for delivery. For more information about international distribution, please contact us.

In the Polywed production department, we pride ourselves by pooling a diverse team of professional chemical engineers, each with different backgrounds of technical expertise and unmatched research infrastructure able to generate and maintain high-quality products. By doing so, we ensure that that our client's needs and wants are being satisfied

# QUALITY Management



Polywed's quality management department has allowed us to become leaders in the Saudi construction industry, and the local brand of choice for installers and distributors. Hence, our permanent efforts to achieve market-shaping innovations and retain our most crucial tradition of providing uncompromising quality.

This is something we guarantee by administering the latest enforced quality assurance procedures, making it no coincidence that PolyWed is regarded as a premium partner of the construction industry. Several factors have contributed to our founding success, and we take pride as a factory in our unwavering commitment to R&D and our Prestigious Aquirance of ISO 9001:2000 certificate from BVQ.





Our knowledge in Cost-effective solutions is one of the main pillars for our longstanding partnership with construction experts, who have provided us with the inside knowledge of the construction industry know-how and practical requirements first hand. As a longstanding and resilient business in this industry, we are fully aware of the construction industry's

practical needs first hand. Our ample experience of materials and working methods, in addition to a constant dialogue with our end users in the skilled trades, are our most crucial source of inspiration. We build on their feedback and our expertise to develop product systems that command respect in the marketplace by professional's needs. Our systems are optimally matched and are cost-effective, thanks to their ease of use and high coverage.

An aerial photograph of a construction site, showing a concrete structure under development. The left side of the image is overlaid with a teal color. On the right, a paved area contains several white semi-trailers parked in a row. One trailer has a red cab. A person is visible walking on the pavement near the bottom right. The overall scene is industrial and focused on infrastructure.

# OUR Philosophy

Polywed relies on its philosophy that success is the Sum of individual contribution from every member of the staff and the interactions of all our departments resulting in an efficient, competitive, and personalized service which has allowed us to achieve constant innovation and higher standards.





## CORPORATE Culture

PolyWed believes that all employees and partners should operate within a spirit of fairness, transparency, and responsible business practices at all times. Our employees are and will always be the foundation on which we build our business.



# Logistical Overview

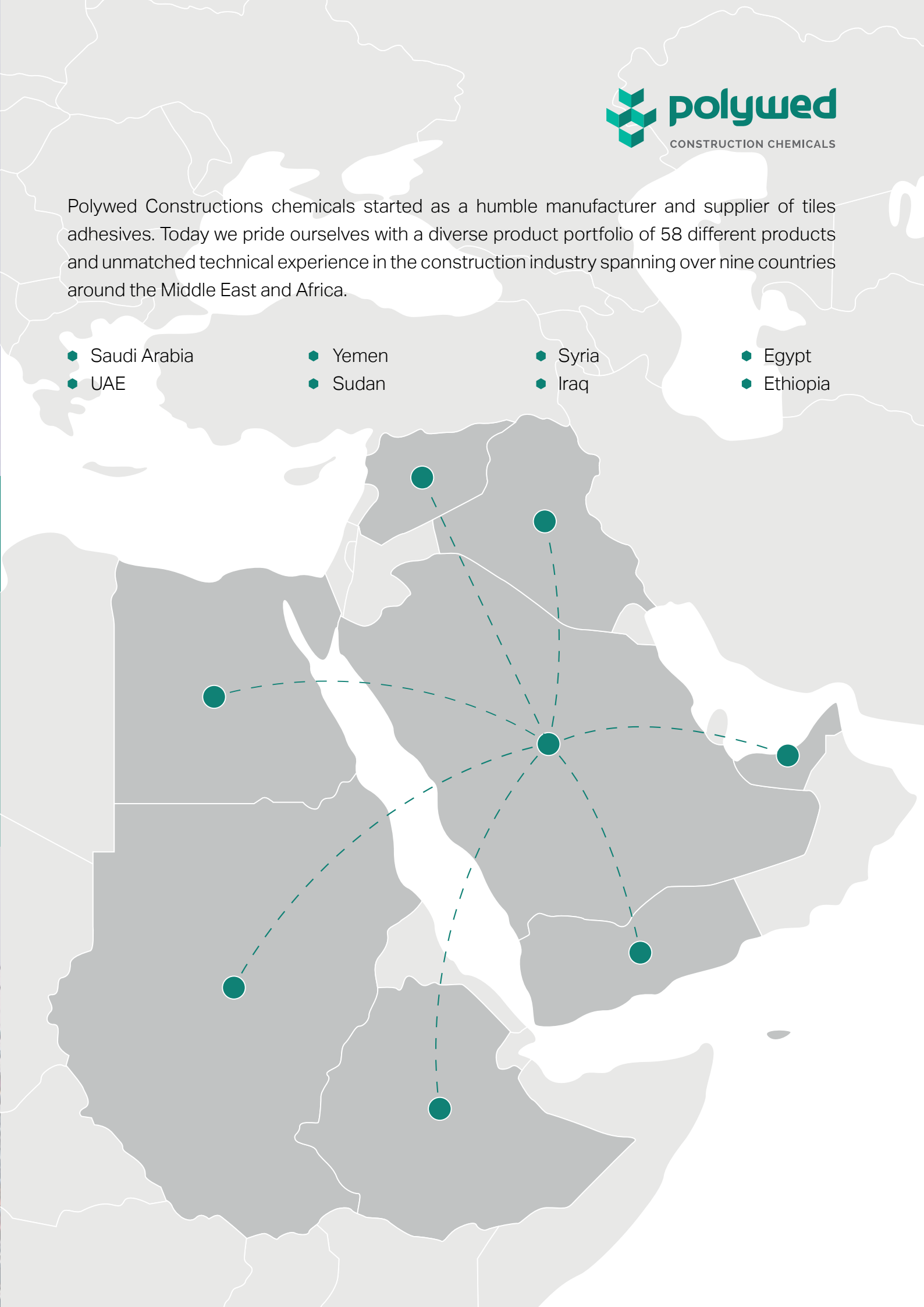


Running products are distributed to the client locally within a time frame of 24 - 48 hours. These products are delivered either from the factory warehouse or our nearest distributing warehouse, depending on the region. Custom-built products with tailored product specifications demanded by our clients take up to 72 hours for delivery time processing after manufacturing is completed.



Polywed Constructions chemicals started as a humble manufacturer and supplier of tiles adhesives. Today we pride ourselves with a diverse product portfolio of 58 different products and unmatched technical experience in the construction industry spanning over nine countries around the Middle East and Africa.

- ◆ Saudi Arabia
- ◆ UAE
- ◆ Yemen
- ◆ Sudan
- ◆ Syria
- ◆ Iraq
- ◆ Egypt
- ◆ Ethiopia



# Become an Official Distributor

Our distribution/agency partnership program is designed for small establishments, agencies, bulk distributors and integrators. As an official Polywed distributor you'll receive discounted pricing, technical support, plus marketing material to help you gain new cliental and confidently maintain your current ones. We at Polywed ensure that each one of distributors are taken care of by putting you in direct contact with our primary departments to expand your brand visibility and client data base.

## Benefits of Becoming an Official distribution partner:

- Certified reseller status
- Brand New Store Banner
- In store Marketing material
- Onsite Branding and Shop Decor
- Product Samples
- Real time Technical support
- Product and application training
- Sales Expertise
- Specialised delivery system
- Exclusive credit benefits
- Distributor Product Prices

**For more information on becoming a distributor, please contact us at directly 920009671 or email us at:**

**[info@polywed.com.sa](mailto:info@polywed.com.sa)**





# AL MARBIE | Holding Group

## **An industrial Holding**

Polywed Construction Chemicals is a subsidiary of Al Marbae Holding Group. Our mother company was incorporated in 1960 under the chairmanship of Sheikh Ali Saeed Al Marbae having its headquarters in the Red sea port city of Jeddah, the commercial hub of Saudi Arabia. Marbae Holding Group is the result of his vision towards bringing world class products, services, and mining solutions using technologically superior manufacturing facilities. Today Marbae Holding is a major entrepreneurial and business force with an annual turnover in excess of SR 2 billion. Apart from The Kingdom we are exporting the holding company exports its product and services to 40 countries worldwide, thanks to our 2500 highly experienced, qualified and loyal employees

## **World Class Mining Solutions.**

The company currently works on several projects throughout Saudi Arabia and has mined a range of commodities for a variety of reputable clients. They employ the latest technology available from around the globe to provide world-class mining solutions.





The company owns and operates its fleet of heavy equipment and trucks to meet customer requirements. The ASAMACO processing plants have been sourced from Germany employing the latest technology in mineral processing.

### **A Strategic Partner to Mine Owners.**

Their experience spans five decades, and the business relations developed over the same period, enable them to identify the best mining equipment/ fleet and shorten the delivery period for the same. This reduces the lead time from planning to production, thereby benefitting our customers/ partners. ASAMACO is a one-stop-shop for all your mining and construction requirements.

Their ability to enhance their synergies with the other group companies like Polywed has helped them provide comprehensive solutions, which includes extraction, beneficiation, procurement, and logistics — making ASAMACO a valuable and reliable partner to mine owners.

For more information on Al Marabie Holding Group please visit our website

**[marbae-holding.com](http://marbae-holding.com)**

Since

1960



**1988**

Sheikh Waleed Ali AL Marbie

## **First Generation:**

Polywed Constructions was founded in 1988 by Sheikh Waleed Ali Al Marabie and managed by Eng. Mohammad Mahmoud Elsayed. The company started as a humble manufacturer and supplier of tiles adhesives. Today we pride ourselves with a diverse product portfolio of 58 different products and unmatched technical experience in the construction industry spanning over nine countries around the Middle East and Africa.



2009

Eng. Sheikh Fahad

## **Second Generation:**

On July the 7th 2009, Sheikh Walid al Marbaie went into retirement and his younger brother Eng. Sheikh Fahad took over the management of Polywed Co. Eng. Fahad is a graduate from an American university with a degree in industrial eng and holds a master's degree in management. After assuming the position of CEO the company went through several progressive changes such as expanding the product range, acquiring a larger market share of the local market, in addition to expanding business operations overseas. Moreover due to his significant impact on the company he currently occupies the position of Business Development Manager at the Marbaie holding Company.



# 2009

## Floods in the west of Saudi Arabia

### **Floods - Nov 25th 2009**

The 2009 Saudi Arabian floods affected Jeddah on the Red Sea (western) coast of Saudi Arabia, and other areas of Makkah Province. They have been described by the Saudi civil defence officials as the worst in 27 years. More than 70 millimetres (2.76 inches) of rain fell in Jeddah in just four hours on Wednesday 25 November.

Polywed's Factory and corporate headquarters were severely damaged and almost 70% of the factory and offices were submerged underwater due to the 2009 floods. After the Jeddah Government cleared the area and drained all the water, Polywed resumed operations once again on January 2010 after shutting down for more than two months.



**2010**

Fire due to electrical disruption

## **Fire - January 17th 2010**

Two weeks into January 2010 and due to electrical disruption caused by moisture in the electrical sockets as a result of the 2009 floods, the Polywed factory and headquarters was burnt to the ground, marking the worst period the progressive center company has ever seen. With the grace of Allah and the head of the Quality control department Eng. Khalid, the

factory was evacuated efficiently with zero casualties. Today Polywed enforces the highest standards of fire prevention and uses state of the art technology to detect even the slightest amount of smoke, and we enforce a strict fire drill policy. Our factory has since then moved to its new location in Rabigh's Industrial City 2 and our Corporate Headquarters have been moved into the heart of Jeddah.



## Giving back to the community

As of March the 25th 2017, The progressive centre company has implemented a corporate social responsibility strategy fully dedicated to supplying; construction products, solutions, and safety equipment around the Kingdom of Saudi Arabia.

Our products are donated to charity organisations which are responsible for constructing and repairing; homes, schools, mosques, and orphanages in small and remote Arabian villages. Our efforts are to give back to our community of local citizens and empower growth and development.

## Construction Brings Unity

"Construction brings unity," a philosophy we share at Polywed. We at polywed believe that construction has always united communities and great civilisations together. Different technical expertise, knowledge, science, and craftsmanship from the hands of the builders to the pen of the architect to technical teams that create protective layers and coatings. It is why Polywed has chosen its company slogan as "Together we build"





## **Together We Build**

United different people from different backgrounds come together to realise one potential end goal and that goal is to build. Every persons input on a construction site matters. Together we shall build a future for the next generation of aspiring young Saudi men and women.

We at polywed can help realise that future through the manufacturing of the best possible construction materials and advanced chemical solutions that fit a wide array of construction needs. Let the quality of these materials reveal the craftsmanship and technical innovation of the Saudi industrial sector and the Saudi construction sector, let us build with you.

For more information on PolyWeds initiatives on giving back to the community please do not hesitate to contact us.

# Corporate Values

We at PolyWed believe that consistency in construction is very intricate and requires specific products that should be implemented once and executed correctly. Hence all our products offer consistent quality due to our technical expertise and the experience gained over the last five decades. The partnership with artisans and specialized traders is the basis for our successful business. Our focal aim is to be the trusted, capacity building partner for the professional craftsmen and builders. Focusing on our fundamental values; Quality, Technical expertise, and Sustainability, we do our utter best to provide our clients with a stable stream of innovative, high quality, and best- suited system solutions.



## Quality

The fundamental basis for PolyWed is rigorous quality control in development and production, and constant method optimization. Through that ideology, Polywed has met the demands of the construction industry by setting the highest standards. Since PolyWed gathers all of its core competencies under one umbrella,

Our system outcome always promises top performance. For clienteles building or repair projects, this means assurance, durability, and optimal value retention of the building. That's why Polywed is so often the preferred choice for professional artisans.



## Technical Expertise

PolyWeds widespread research and development give birth to a flow of innovative systems and solutions based on new technologies. In order to supply the customer with superior quality in the most formidable way, devoted project management teams deliver support from the design phase all the way to the final execution on the project site.

In addition to our knowledge of PolyWed's own products and its solutions play a significant role in corporate success on-site, our technical staff offer courses for the transfer of knowledge in our headquarters in Jeddah, Saudi Arabia. We pride ourselves on our capital of know-how, and we believe that knowledge should be passed down to the builders as well to strengthen their own technical application expertise.





## Sustainability

In line with HRH Prince Mohammad Bin Salman's Vision 2030, PolyWed aims to pioneer new solutions for sustainable development while continuing to shape the business responsibly and increase economic prosperity. His ambition has given us the drive to restructure all of our company's activities along the entire value chain and is the basis on which we developed a new sustainability strategy to tackle the construction industry in line with the crown prices vision 2030.

We have built our reputation on the creed, "Let the end-user have faith" by doing business with integrity, following strict ethical standards, and delivering products of the highest quality. We reinforce that faith by embracing a culture of social change, environmental responsibility, and corporate transparency in order to take the

necessary steps to reduce the footprint of our products, manufacturing processes, and develop innovative products that help to advance the quality of building a better future for the several Saudi generations to come. Hence our management commitment to become leaders of sustainability in the construction industry has been integrated into our corporate values.

We want to achieve more with less, and triple our efficiency in the next 20 years. In view of the increasing demand for limited natural resources, we must continue to improve. In moving ahead, we will focus on involving our employees even more deeply in our sustainability activities, intensifying our collaboration with our partners along the value chain, and further improving our evaluation, steering, and communication tools.

# Vision 2030

## Polywed and Vision 2030

In line with his Royal Highness the Crown Prince Mohammad Bin Salman Al Saud vision 2030, the Kingdom of Saudi Arabia has implemented a diversification strategy to decrease its dependence on oil, with the launch of various multi-billion dollar construction projects and megacities all around the kingdom. We at Polywed are proud supporters of the Kingdoms vision 2030 and of the progressive changes that we see around us today in various regions within the kingdom of Saudi Arabia.

Saudi Arabia has more than 4,700 construction projects that are active today, with a combined estimated value of \$852.3 billion; around 170 of these projects are worth one billion dollars or more; As cited by Venture Onsite Middle East (regional leader of knowledge management in construction projects across the Middle East and Africa).

The Kingdom of Saudi Arabia is recommitting to investments in the future with and the kingdom's construction market is expected to show significant growth and offer lucrative potential due to its Vision 2030, NTP 2020, and ongoing reforms to diversify away from oil dependence. Saudi contracts within the construction sector, infrastructure, and energy sectors are forecasted to increase from US\$ 34,151 Mn. in 2017 to US\$ 40,068 Mn. in 2018. The building and construction sector is expected to register the highest contractor awards, followed by the energy and infrastructure sectors. An increase in population growth, urbanization, and tourism are expected to drive growth in the building sector, especially in the residential and leisure markets.







## Saudi Construction Market

The massive budget put down by the government indicates that KSA is expecting significant revenue growth in the years to come. The Vision 2030, NTP 2020, and private sector investment boost, and ongoing reforms are likely to be the growth drivers for KSA's construction market in 2018 and beyond. According to Riyadh officials, KSA's economy is entering a post-oil era in which the kingdom's megacities, which are under construction, will provide the country's future growth.

According to Oxford Business Group, the government is stepping up investment in KSA's transport infrastructure, fast-tracking vital projects, and creating new opportunities for service providers. Transport infrastructure gains prominence in the Vision 2030 and National Transformation Programme (NTP) as critical to economic growth. In 2018, the government allocated 6% of its budget towards transport and infrastructure.

An example of these projects would be the infamous NEOM city, a 26,500 square kilometers (km) (10,230 square miles) zone that will focus on industries including sustainable construction, energy, water, biotechnology, food, advanced manufacturing, and entertainment. KSA government, the PIF, and local and international investors are expected to invest over half a trillion dollars into it in the coming years. Phase 1 of the project is expected to be completed by 2025.

**Saudi Vision 2030 is driving demand for construction products in the country. We see a rejuvenated interest in the Saudi construction market by local and international players this year**

- Mr. Waugh head of the eighth edition of The Big 5 construction exhibition Saudi Arabia.

رؤية  
VISION 2030  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

 polywadd  
بوليود  
PROUDLY SUPPORTING

**POLYWED**

# **Products**

# Index

Tile Adhesives	37
Grouts	49
Epoxy Products	61
Paints	77
Repair Products	95
Bonding Agents	107
Waterproof Products	121
Putty	141
Pastures	147
Chemical Solutions	151
Tools and Safety Equipment	157
Sustainable Construction	159

# SUMMARY OF Products



## GROUT

- G1 - Poly Grout
- G2 - Antibacterial Grout
- G3 - Pool Grout
- G4 - Epoxy Grout
- G5 - Ceramic and Porcelain Cleaner
- G6 - Grout Epoxy Cleaner



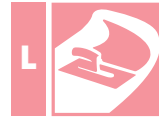
## CHEMICAL SOLUTIONS

- C1 - Oil Based Curing compound
- C2 - Water Based Curing compound
- C3 - Primer Oxide



## WATER PROOFING

- W1 - Roof Coat
- W2 - Poly flex
- W3 - Acrylic Sealant
- W4 - Poly Asuka
- W5 - Poly Asuka Plus
- W6 - Poly Plug
- W7 - Sealing slurry
- W8 - Deck Sealant
- W9 - Bond 9000
- W10 - Bond 9000 Pure
- W11 - Bitumen



## PLASTERS

- L1 - Rockcoat
- L2 - Poly Pasture



## EPOXY

- E1 - Epoxy 770
- E2 - Epoxy Supercoat 550
- E3 - Epoxy Primer
- E4 - Epoxy Cleaner
- E5 - Epoxy Mortar
- E6 - Epoxy Steel Primer
- E7 - Anchor Fix



## REPAIR PRODUCTS

- R1 - Repair 900
- R2 - Repair 600
- R3 - Repair 300
- R4 - Hardtop Repair
- R5 - Grout Repair HF





## BONDING

- B1 - PVA Bond
- B2 - PVA Bond Pure
- B3 - SBR Bond
- B4 - SBR Bond Plus
- B5 - SBR Bond Pure
- B6 - Bond 770



## PAINTS

- P1 - WB Interior Paint - Matt
- P2 - WB Exterior Paint - Matt
- P3 - WB Exterior Paint - Semi Gloss
- P4 - OB Interior & Exterior Paint - Semi Gloss
- P5 - OB Interior & Exterior Paint - Full Gloss
- P6 - Interior Texture Paint
- P7 - Exterior Textue Paint
- P8 - Paint Primer



## TOOLS & SAFETY PRODUCTS

- |                         |                 |
|-------------------------|-----------------|
| Chisel                  | Hammers         |
| Putty Knife             | Electric Drills |
| Trowels                 | Epoxy Rolls     |
| Reflective Jackets      | Paint Brushes   |
| Safety Helmets          |                 |
| Nails (different sizes) |                 |



## TILE ADHESIVE

- T1 - Tile Adhesive Number 1
- T2 - Tile Adhesive Plus
- T3 - Tile Adhesive GB 770
- T4 - French Tile Adhesive
- T5 - Ready tile adhesive



## PUTTY

- Y1 - Powder Based Putty
- Y2 - Crack Filler
- Y3 - Water Based Putty
- Y4 - Oil Based Putty



## SUSTAINABLE CONSTRUCTION PRODUCTS

# PRODUCTS AND Technical Datasheets

PolyWed manufactures a comprehensive series of high-performance building materials and advanced chemical solutions, and is devoted to matching the right product with its application method to reduce cost, time, and product risk. Our products and solutions are reinforced with unmatched technical and field experts, who, in turn, deliver valuable product know-how and on-site consultation to engineers, managers of construction, contracting specialists in addition to professional product applicants directly from the factory headquarters.

For more information on our products please visit our website:

[www.polywed.com.sa](http://www.polywed.com.sa)







# PRODUCT Tile Adhesive

PolyWeds resilient adhesives are your best choice. They not only offer perfect adhesion but are also free of solvents and extremely low on emissions. Whether for indoor or outdoor use, new buildings or the renovation of old buildings, tiling a small bathroom or a large public swimming pool, for private or industrial applications.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- T1- Poly Adhesive Number 1
- T2- Poly Adhesive Plus
- T3- Poly GB 770
- T4- French Tile Adhesive
- T5- Ready tile adhesive





**polywed**

CONSTRUCTION CHEMICALS





## TILE ADHESIVES



### Tile Adhesive Number 1

A Specialized and powerful Tile adhesive for swimming pools, gives high resistance to water and chlorinated water, preserves adhesion under continuous water immersion.

#### AREAS FOR USE

- 1- Swimming pools, fountains, water tanks and wet areas
- 2- Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster b
- 3- All types of stone, marble, ceramic and porcelain

T1



### Tile Adhesive Plus

Specialty tile adhesive to bond porcelain, marble and granite tiles, superb quality with unparalleled adhesion, can adhere large format tiles. Adheres to hard to bond surfaces.

#### AREAS FOR USE

- 1- Specially designed for Porcelain tiles
- 2- All types of stone, marble, ceramic and porcelain
- 3- Ideal for fixing of Ceramic Tiles, Terrazzo Tiles, Marbles and Riyadh stones.

T2



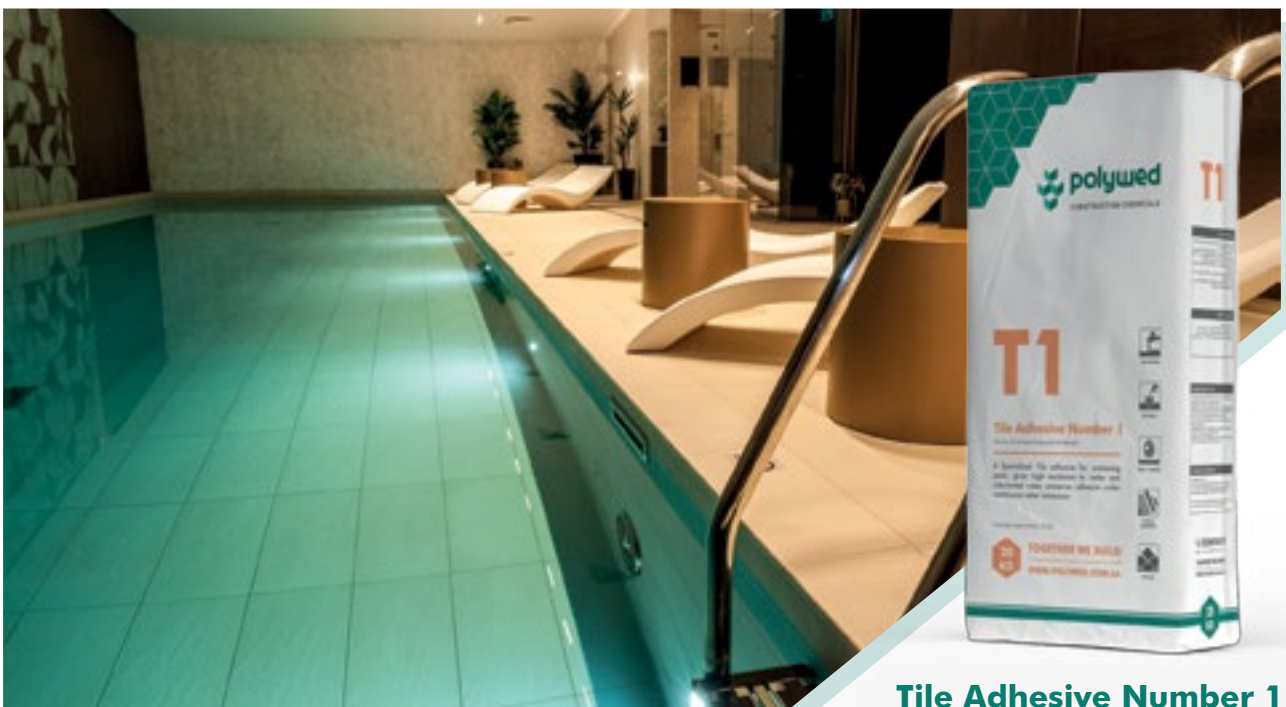
### Tile Adhesive GB 770

An improved tile adhesive that works in various environmental conditions and bonds all types of ceramic and natural stone tiles.

#### AREAS FOR USE

- 1- Suitable for dry & wet conditions
- 2- Suitable for ceramic tiles and marble
- 3- In residential and commercial buildings

T3



Tile Adhesive Number 1



**Ready Tile Adhesive**



## French Tile Adhesive

The standard tile adhesive for ceramic tiles, insures continuous adhesion in residential and commercial buildings.

### AREAS FOR USE

- 1- Ideal for fixing all types of Ceramic Tiles
- 2- In residential and commercial buildings
- 3- Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards

**T4**



## Ready Tile Adhesive

high performance organic pasty tile adhesive for interior purpose floors and walls suitable for a wide range of tiles with non slip characteristics.

### AREAS FOR USE

- 1- Ideal for fixing all types of Ceramic Tiles
- 2- In residential and commercial buildings
- 3- Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards

**T5**



# T1

## TILE ADHESIVE NUMBER 1

TILE ADHESIVE FOR INTERNAL AND EXTERNAL USE.

**ADHESIVE** **WATERPROOFING** **SWIMMING POOLS**

A Specialized and powerful Tile adhesive for swimming pools, gives high resistance to water and chlorinated water, preserves adhesion under continuous water immersion. Areas of use: Swimming pools, fountains, water tanks and wet areas. Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster b. All types of stone, marble, ceramic and porcelain.

### APPLICATION

- For permanent fixing of all types of ceramic tiles used for pools.
- Can be permanently submerged.
- Suitable for Ceramic tile , Porcelain tile , Terracotta , Kliker , Marble , natural stone and Ceramic mosaic.

### ADVANTAGES

- Extended open/wet time.
- Water resistant, will not be affected in Submerged conditions.
- Ready for use, just requires the addition of water.
- Non sag.
- Very high bond strength.
- Suitable for pools and water retaining structures.

### STANDARDS

- BS5980 Part 10:1980 ANSIA.118.1
- ANSIA.118.4

### TYPICAL PROPERTIES

Classification of type	C2TE
Adjustability	≥ 30 min
Pot life	≥ 6 hours
Open time: 3mm thickness @ 25 ° C	≥0.5 N/mm2 after not less than 30 min.
Tensile adhesion strength after heat immersion:	≥1 N/mm2
Tensile adhesion strength after water immersion:	≥1 N/mm2
Tensile adhesion strength : (EN 1348:1999)	≥1 N/mm2
Slip	≤0.5 mm

### YIELD

Approximately 7-8 m2/20 kg bag at 2 mm thickness

### STORAGE

Shelf life is 12 months if stored at temperatures between 2 C° and 50 °C. If these conditions are exceeded in any respect, technical department should be contacted for advice.

### PACKAGING

Is available in 20 kg bags.

### CAUTIONS

#### Health and Safety:

As contains Portland cement, may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.



# T1

## TILE ADHESIVE NUMBER 1

TILE ADHESIVE FOR INTERNAL AND EXTERNAL USE.

### METHOD OF USE

#### Substrate preparation:

- All surfaces must be clean and free from oil, Grease or loose materials.
- Substrate should be dimensionally stable. Allow time for shrinkage and structural strain movements.
- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- 5.0 liters (for each 20 kg bags) of clean water should be added to a clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400-600rpm). Mixing should be continued for
- 3 minutes until a uniform consistency is obtained.

### APPLICATION

- Spread to a uniform thickness of 2 to 3 mm. Place tiles firmly over the applied area.
- Do not apply large areas of adhesive that can not be covered within the open wet time of the adhesive.

### JOINTS

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# T2

## TILE ADHESIVE PLUS

TILE ADHESIVE FOR INTERNAL AND EXTERNAL USE.

### ADHESIVE

Specialty tile adhesive to bond porcelain, marble and granite tiles, superb quality with unparalleled adhesion, can adhere large format tiles. Adheres to hard to bond surfaces. Areas for use: Specially designed for Porcelain tiles. All types of stone, marble, ceramic and porcelain. Ideal for fixing of Ceramic Tiles, Terrazzo Tiles, Marbles and Riyadh stones.

### APPLICATION

- For permanent fixing of all types of ceramic tiles.
- Can be used internally and externally. Suitable for bathrooms and kitchens and wet areas.
- Nonslip, can be used for walls and floors.

### ADVANTAGES

- Extended open/wet time.
- Water resistance, will not be affected in wet conditions.
- Ready for use, just requires the addition of water. Nonslip.
- High bond strength.
- Suitable for internal and external application.

### STANDARDS

- Complies with BS5980:1980 Class AA, Type 1 and ANSIA.118.1
- Complies with BS EN12004:2001, Type C1 for tensile adhesion strength.

### CAUTIONS

#### Health and Safety:

As contains Portland cement, may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

### TYPICAL PROPERTIES

Adjustability	≥ 20 min
Pot life	≥ 8 hours
Open time: 3mm thickness @ 25 °C	≥ 0.5 N/mm <sup>2</sup> after not less than 20 min.
Tensile adhesion strength after heat immersion:	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion:	≥ 0.5 N/mm <sup>2</sup>
Tensile adhesion strength : (EN 1348:1999)	≥ 0.5 N/mm <sup>2</sup>

### YIELD

Approximately 5-6 m<sup>2</sup>/20kg bag at 5 mm thick- ness.

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials should be cleaned mechanically.

### PACKAGING

Is available in 20 kg bags.

### STORAGE

Shelf life is 12 months if stored at temperatures between 2 C ° and 50 °C. If these conditions are exceeded in any respect, technical department should be contacted for advice.

# T2

## TILE ADHESIVE PLUS

TILE ADHESIVE FOR INTERNAL AND EXTERNAL USE.

### METHOD OF USE

#### Substrate preparation:

- All surfaces must be clean and free from oil, Grease or loose materials.
- Substrate should be dimensionally stable. Allow time for shrinkage and structural strain movements.
- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- 5.0 liters (for each 20 kg bags) of clean water should be added to a clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400-600rpm). Mixing should be continued for
- 3 minutes until a uniform consistency is obtained.

### APPLICATION

- Spread to a uniform thickness of 2 to 3 mm. Place tiles firmly over the applied area.
- Do not apply large areas of adhesive that can not be covered within the open wet time of the adhesive.

### JOINTS

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# T3

## TILE ADHESIVE GB 770

TILE ADHESIVE FOR CERAMIC TILES USED FOR FLOORS AND WALLS

### ADHESIVE

An improved tile adhesive that works in various environmental conditions and bonds all types of ceramic and natural stone tiles. Areas for use: Suitable for dry & wet conditions. Suitable for ceramic tiles and marble. In residential and commercial buildings.

### APPLICATION

- For permanent fixing of all types of ceramic tiles.
- Can be used internally and externally.

### ADVANTAGES

- Suitable for all types of ceramic .
- Ready for use, just requires the addition of water.
- High bond strength.
- Suitable for internal and external application.

### STANDARDS

- TILE ADHESIVE SUPER GP 770 complies with BS 5980:1980 Class AA,Type 1 and ANSIA.118.1
- TILE ADHESIVE SUPER GP 770 complies with BS EN12004:2001,Type C1 for tensile adhesion strength.

### CAUTIONS

#### Health and Safety:

As contains Portland cement, may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

### TYPICAL PROPERTIES

Color:	white
Mix density:	1.8±0.1
Open time: 3mm thickness @ 25 ° C	6 -10 min
Comp. Strength	> 10 KN
Max. application Temperature:	60 C
Tensile adhesion strength: (EN 1348:1999)	>0.50

### YIELD

Approximately 5-6 m<sup>2</sup>/20 kg bag at 5 mm thick- ness.

### CLEANING

TILE ADHESIVE SUPER GP 770 is available in 20 kg bags.

### PACKAGING

Is available in 20 kg bags.

### STORAGE

Shelf life is 12 months if stored at temperatures between 2 ° C and 50 ° C. If these conditions are exceeded in any respect, technical department should be contacted for advice.



# T3

## TILE ADHESIVE GB 770

TILE ADHESIVE FOR CERAMIC TILES USED FOR FLOORS AND WALLS

### METHOD OF USE

#### Substrate preparation:

All surfaces must be clean and free from oil, Grease or loose materials.  
Substrate should be dimensionally stable. Allow time for shrinkage and structural strain movements.

#### Priming

TILE ADHESIVE SUPER GP 770 can be applied directly on concrete, cement plaster, screed and cement or lime mortar.

#### Mixing:

Spread to a uniform thickness of up to 5 mm. Place tiles firmly over the applied area. Do not apply large areas of adhesives that can not be covered within the open wet time of the adhesive.

#### Joints:

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# T4

## FRENCH TILE ADHESIVE

TILE ADHESIVE FOR CERAMIC TILES USED FOR FLOORS AND WALLS

### ADHESIVE

The standard tile adhesive for ceramic tiles, insures continuous adhesion in residential and commercial buildings. Areas for use: Ideal for fixing all types of Ceramic Tiles. In residential and commercial buildings. Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards.

### APPLICATION

- For permanent fixing of all types of ceramic tiles.
- Can be used internally and externally.

### ADVANTAGES

- Ready for use, just requires the addition of water.
- good bond strength.
- Suitable for internal and external application.

### CAUTIONS

#### Health and Safety:

As contains Portland cement, may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire:

Is non flammable.

### CAUTIONS

#### Substrate preparation:

All surfaces must be clean and free from oil, grease or loose materials. Substrate should be dimensionally stable. Allow time for shrinkage and structural strain movements.

#### Priming

Can be applied directly on concrete, cement plaster, screed and cement or lime mortar.

#### Mixing:

5.0 liters (for each 20 kg bags) of clean water should be added to a clean container. Spread to a uniform thickness of up to 5 mm. Place tiles firmly over the applied area. Do not apply large areas of adhesives that can not be covered with in the open wet time of the adhesive.

#### Joints:

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.

### TYPICAL PROPERTIES

Color:	white
Mix density:	1.8±0.1
Open time:3mm thickness @ 25 ° C	6 -10 min
Comp. Strength	>5 KN
Max. application Temperature:	60 C
Tensile adhesion strength :(EN 1348:1999)	>0. 25

### YIELD

Approximately 5-6 m<sup>2</sup>/20kg bag at 5 mm thick- ness.

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials should be cleaned mechanically.

### PACKAGING

Is available in 20 kg bags.

### STORAGE

Shelf life is 12 months if stored at temperatures between 2 ° C and 50 ° C.

If these conditions are exceeded in any respect, technical department should be contacted for advice.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# T5

## READY TILE ADHESIVE

Ready to use pasty tile adhesive

LIQUID ADHESIVE

High performance organic pasty tile adhesive for interior purpose floors and walls suitable for a wide range of tiles with non slip characteristics. Areas for use: Ideal for fixing all types of Ceramic Tiles. In residential and commercial buildings. Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards.

### SCOPE OF USE

is designed for internal use only.

#### ADMISSIBLE TILES

- Ceramic tiles
- Porcelain tiles
- Unglazed tiles
- Earthenware tiles
- Sandstone tiles
- Molten glass
- Backed clay

#### ADMISSIBLE SUBSTRATES

- fully cured concrete
- Cementitious plasters
- Gypsum plasters
- Gypsum boards and all kind of gypsum partitions
- Wooden substrates
- Existing tiles

### INSTRUCTION FOR USE

#### SURFACE PREPARATION

The surface must be leveled and regular. The substrate must be clean, sound, free from all dust, greasy matters, and must be dry. Do not wet the wall nor the tiles.

#### PRODUCT APPLICATION

- The product is ready to use.
- Apply uniformly on the support and use the notched spatula to give the required thickness Apply the tiles and press them strongly on the substrate in order to spread the product uniformly on the wall.

### TYPICAL PROPERTIES

Shear strength, conditioned, dry clause 5.2.1	1.02 N/mm <sup>2</sup>	not less than 0.34 N/mm <sup>2</sup>
Shear strength, Room temperature, after 28 days air drying Clause 5.2.3	1.137 N/mm <sup>2</sup>	not less than 0.34 N/mm <sup>2</sup>
Shear strength after accelerating aging, Clause 5.2.4	0.88 N/mm <sup>2</sup>	Not less than 75% of the actual shear strength of the conditioned, dry result.
Heat resistance Clause 5.3	No shear failure observed	No failure shall be observed
Impact resistance, Clause 5.4	No bond failure observed after impact	No failure shall be observed

### CHARACTERISTICS

Appearance	Creamy Paste
Density	1.8

Test according to ANSI 136.1

ITEMS	RESULTS	STANDARD REQUIREMENTS
Shear strength, conditioned, after water immersion Clause 5.2.2.1 Type 1	0.99 N/mm <sup>2</sup>	not less than 0.34

# T5

## READY TILE ADHESIVE

Ready to use pasty tile adhesive

### CONSUMPTION

coverage depends on type of trowel and tile:

- from 2 kg/m<sup>2</sup> in dry areas
- from 3.4 kg/m<sup>2</sup> in wet areas

### STORAGE

6 months stored in a fresh and dry area in unopened original packaging.

### SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear protective gear for hands & eyes. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





For more information about our products and services  
please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)



# PRODUCT Grout

Polywed offers a comprehensive range of tile grouts manufactured to the highest standards. Whatever your choice, tiles are its width of joint and function of the tiled background, for flooring and walls or pools. There is a Polywed grout that you can completely trust for quality and lasting performance.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- G1- Poly Grout
- G2- Antibacterial Grout
- G3- Pool Grout
- G4- Epoxy Grout
- G5- Ceramic and Porcelain cleaner
- G6- Grout Epoxy Cleaner





# GROUT



## Poly Grout

A German Formulated Grouting System available in 15 colors.

### AREAS FOR USE

- 1- Grouting of walls and floors joints subjected to a varying range of dry or humid conditions
- 2- Compatible with Polyweds tile adhesive range
- 3- Suitable for use with most type of tiles such as Ceramic, Porcelain, Terrazzo, Marble Tile Joints

G1



## Antibacterial Grout

Hygienic anti-microbial tile grouts.

### AREAS FOR USE

- 1- Hospitals and clinics
- 2- Kitchens and Food processing areas
- 3- Schools and nurseries

G2



## Pool Grout

An improved tile adhesive that works in various environmental conditions and bonds all types of ceramic and natural stone tiles.

### AREAS FOR USE

- 1- Suitable for dry & wet conditions
- 2- Suitable for ceramic tiles and marble
- 3- In residential and commercial buildings

G3



Poly Grout

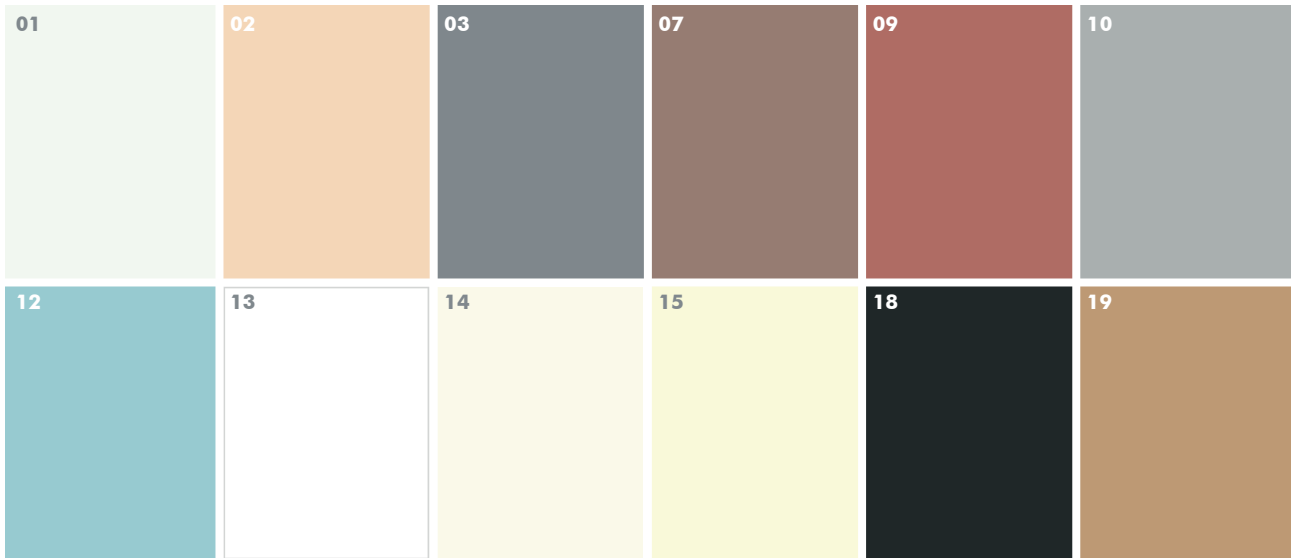




# GROUT



## Available Colors



Legal Disclaimer: Actual colors may vary. We try to edit the technical information provided to show grout color samples as life-like as possible, but please understand the actual color may vary slightly and Polywed cannot guarantee that the color you see accurately portrays the true color of the product.

### Epoxy Grout



A two-component high performing epoxy grout system. Easy to apply ideal for industrial grouting in addition to ceramic tiles and mosaics

#### AREAS FOR USE

- 1- used to support and align critical equipment,
- 2- applications requiring corrosion resistance
- 3- applications such as kitchen counters, backsplashes, floors, and other heavy-traffic areas.

G4

### Ceramic and Porcelain Cleaner



A concentrated acidic cleanser to remove grouts, or cement mortar residues, mineral deposits, rust stains, and bumps from the surface of tiles, and rock surfaces. It is also effective for removing hard water stains, lime deposits and soap foams.

#### AREAS FOR USE

- 1- Areas with cement deposits and dirt, especially on ceramics and porcelain.
- 2- It is effective in removing hard water stains, limestone deposits and soap deposits.
- 3- It is applied in many places such as kitchen surfaces, bathrooms and other areas where there is heavy movement.

G5

### Epoxy Grout Cleaner



High viscosity liquid detergent for cleaning epoxy grout residues, Ideal for non-absorbent materials such as porcelain, glazed ceramic, and glass mosaics. It's also effective in removing significant and consolidated residue.

#### AREAS FOR USE

- 1- Areas where epoxy grout has been used
- 2- Effective for removing hard-water stains, lime deposits, and soap scum.
- 3- Glazed ceramic and glass mosaics. It's also effective in removing significant and consolidated residue

G6



# G1

## POLYGROUT

Water resistant grout for swimming pool tile joints.

**GROUT** **CERAMIC TILES**

POLYGROUT is a fine colored powder which, when mixed with water, gives a smooth, easily applied creamy paste for clean grouting of ceramic tiles. It sets to a decorative water resistant finish.

### DESCRIPTION

- Water-resistant (suitable for swimming pools).
- Self-colored.
- Resistant to cracking in joints up to 3mm wide.
- Ideal for internal and exterior applications.

### COMPOSITION

POLYGROUT is a blend of hydrophobic cement, fillers and organic additives

### STANDARDS:

- BS 5980 - Cementitious Adhesives and Grouts

### APPLICATION PROCEDURES:

Allow at least 24 hours between fixing tiles and grouting. Mix grout powder with water to give a smooth, thick consistency. Leave to stand for 15 minutes before using. Apply to tile joints with a squeegee, brush or sponge. Remove surplus grout with a damp sponge. When grouting is completed, polish tiles with a dry cloth.

### ADVANTAGES

Comp.Strength	> 30N / mm <sup>2</sup>
Tensile Strength	> 2.5N / mm <sup>2</sup>
Shrinkage	< 2mm / m

### PACKAGING:

POLYPOOL GROUT is available in 10 and 20kg sacks.

### STORAGE:

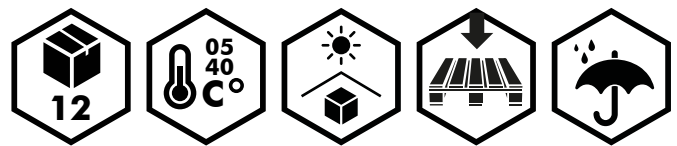
Store out of direct sunlight, clear of the ground on pallets protected from rain- fall. Avoid excessive compaction.

### CAUTIONS:

#### Health and Safety:

As POLYGROUT contains Portland cement, POLYGROUT may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# G2

## ANTI BACTERIA GROUT

High performance, cementitious tile grout ,Anti-fungus and Highly water resistant

**GROUT** **ANTI BACTERIAL** **WATER RESISTANT** **ANTI CRACK**

Perfect is a high performance cement-based pre-mixed non-shrink grout, used for filling tile joints in wet and dry areas. Specific attributes: Anti-fungus, Highly water resistant, Anti-cracks (joints between 2 and 12 mm width), High abrasion resistance.

### PRODUCT

Easy to apply and can be cleaned easily. It only needs to be mixed with water. available in a wide range of attractive colors (please consult our color chart board).

### SCOPE OF USE

Suitable to fill joints from 2 to 12 mm width, between ceramic tiles, marble and natural stones, porcelain, terracotta, etc

- can be used for internal and external applications, including:
- Swimming-pools
- Balconies
- Terraces
- Wet areas
- Bathrooms, kitchens, stairs

### APPLICABLE STANDARDS

- ANSI A118.7 (polymer modified cement grouts)
- EN 13888:2009
- Classification according to EN 13888: CG2 WA

### CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

### PRECAUTION

#### Health and Safety

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

### CHARACTERISTICS

Mixing water	2.3 to 2.5 L/ 10 kg bag
Fresh density @ 23 °C	1.8±0.15
Color	Color chart board
Pot Life	45 min.
Setting time (min) at 23 °C	45 min.
Service Temperature	1 °C to +60 °C
VOC& formaldehyde content	None (<10µg/l)

### STORAGE

can be stored for 2 years in its original packaging, stored away from extreme temperatures and in dry conditions.



# ANTI BACTERIA GROUT

High performance, cementitious tile grout ,Anti-fungus and Highly water resistant

## APPLICATION INSTRUCTION

### PRECAUTIONS

Before grouting, make sure that the adhesive has completely dried; it will depend on site and weather conditions. Some tiles with a matt or porous texture are prone to surface staining when coloured grouts are used. It is recommended to check that no stain will occur by testing on small surface before starting the whole job.

### SURFACE PREPARATION

The grooves between all external and internal ceramic surfaces to be grouted must be sound and thoroughly cleaned before the application of the product. All traces of oil or grease must be removed. All loose particles of mortar or tile adhesive in the groove must be physically removed. Joints should be emptied to at least 2/3 of the tile thickness. Before grouting make sure that tiles are set and that the adhesive had completely dried. joints width should be from 2 mm to 12 mm.

### PRODUCT PREPARATION

Mix 10 kg grout with 2.3 to 2.5 Lit. of clean cool water by adding the powder over the water gradually. The amount of mixing water must be respected to avoid efflorescence over the surface of the grout. An electric mixer with low rotation speed (< 300 rpm) should be used. Mix for about 3 to 5 minutes until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application.

### PRODUCT APPLICATION

Apply the grout with a rubber spatula into the joints diagonally by filling all the gaps, make sure that the product is well compacted with no voids. Use the product within a maximum of 45 min (depending on temperature) after mixing.

### CLEANING OF JOINT SURFACES

Allow the grout to dry (10 or 20 minutes depending on the weather condition) before starting the cleaning process, remove surplus with a damp sponge moving diagonally to prevent removal of grout within the joints. Rinse the sponge frequently using two water containers, one to remove the grouts residue and the other one to clean the sponge. Avoid excess of water while cleaning to prevent discoloration of joints. When dry, polish the tiles with a clean, dry cloth. Do not spray water under high pressure

## TEST RESULTS

Test results as per EN 13888:2009	Results	Standard requirements for type CG class 2WA
Flexural Strength as Per EN 12808-3:2002 (N/mm <sup>2</sup> )	6 N/mm <sup>2</sup>	>3.5 N/mm <sup>2</sup>
Compressive Strength as per EN 12808-3:2002	>15 N/mm <sup>2</sup>	>15 N/mm <sup>2</sup>
Water Absorption after 30 min as per EN 12808-5	0.1 g	< 2 g
Water Absorption after 240 min as per EN 12808-5	0.25 g	< 5 g
Shrinkage as per DIN EN 12808-4 at 28 days standard conditions	1.38 mm/m	< 3 mm/m
Abrasion Resistance as per EN 12808-2:2002 (mm <sup>3</sup> )	≤1000mm <sup>3</sup>	≤1000mm <sup>3</sup>



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# G3

## POLYPOOL GROUT

Water resistant grout for swimming pool tile joints.

**GROUT** **WATERPROOFING** **SWIMMING POOL**

Polypool Grout is a cementitious mortar adhesive with high abrasion/resistance for joints up to 6 mm composed of hydraulic binders, selected aggregates and special additives . It is supplied as a dry powder in vpre-weighed bags ready to use on site, which requires only addition of clean water to produce easily workable mortar. Pool Grout is ideal for jointing of Ceramic Tiles, Marbles.

### DESCRIPTION

POLYPOOL GROUT is a cementitious mortar adhesive with high abrasion/resistance for joints up to 6 mm composed of hydraulic binders, selected aggregates and special additives . It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of clean water to produce easily workable mortar. Pool Grout is ideal for jointing of Ceramic Tiles, Marbles.

### ADVANTAGES

- Water-resistant (suitable for swimming pools).
- Self-colored.
- Resistant to cracking in joints up to 6mm wide.
- Ideal for internal and exterior applica- tions.
- Requires only addition of water on-site at the time of usage

### STANDARDS:

- BS: EN 13888
- ISO 13007-3

### APPLICATION PROCEDURES:

Allow at least 24 hours between fixing tiles and grouting. Mix grout powder with water to give a smooth, thick consistency. Leave to stand for 10 minutes before using. Apply to tile joints with a squeegee, brush or sponge. Remove surplus grout with a damp sponge. When grouting is completed, polish tiles with a dry cloth.

### Advantages

Ap pearance:	White viscous liquid
PH:	4-5
Specificgravity@25 ° C:	1.0-1.05

### PACKAGING:

POLYPOOL GROUT is available in 10 and 20kg sacks.

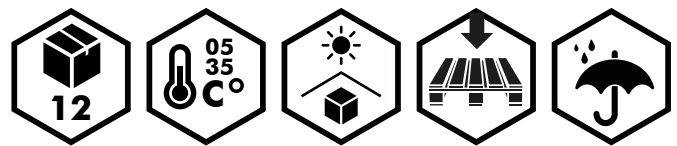
### STORAGE:

Store out of direct sunlight, clear of the ground on pallets protected from rain- fall. Avoid excessive compaction.

### CAUTIONS:

- Health and Safety:As POLYGROUT contains Portland cement, POLYGROUT may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# G4

## EPOXY GROUT

Tow component epoxy grout easy to apply, ideal for grouting ceramic tiles and mosaics.

EPOXY GROUT CERAMIC TILES MOSAICS

### CLASSIFICATION ACCORDING TO EN 13888

Kerapoxy CQ is an RG-class reactive (R) grout for tile joints (G).

### WHERE TO USE

Internal and external grouting of ceramic, stone material and glass mosaic floor finishes.

Particularly suitable for grouting large areas where easy application and cleaning is required.

Also suitable for acid-resistant bonding and rapid setting of ceramic tiles, stone materials, fibre-cement, concrete and any other building material on all types of substrates normally used in construction.

### APPLICATION EXAMPLES

- Grouting materials with an uneven surface where it would be difficult to apply and clean traditional epoxy mortar.
- Grouting of anti-bacterial tiles.
- Grouting of surfaces where a high protection against the formation and proliferation of micro-organisms is required.
- Grouting tiles on laboratory benches, kitchen worktops, etc.
- Grouting industrial floor tile finishes (galvanizing plants, tanneries, battery rooms, paper works, etc.), where high mechanical strength and a high resistance to attack by acids is required.
- Grouting swimming pools, especially recommended for pools containing spa or sea water.
- Bonding marble doorsteps and window-sills.
- Bonding tiles in plastic reinforced by fibre glass swimming pools.
- Bonding special pieces of tiles.

### PACKAGING

The product is available in 0.5 kg , 1 and 3 kg.

### SAFETY INSTRUCTIONS

Epoxy grout **component A** is irritant for the eyes and skin. Both component A and B may cause sensitization in those predisposed. Epoxy grout **component B** is corrosive and may cause burns. The product contains low weight epoxy resins that may cause sensitization if cross-contamination with other epoxy compounds occurs. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes and the skin wash immediately with plenty of water and seek medical attention.

### TECHNICAL DATA

Consistency of mix:	creamy paste
Density of mix (kg/m <sup>3</sup> ):	1,600
Pot life of mix:	30 minutes
Application temperature range:	from 7°C to 40°C
Set to light foot traffic:	12 hours
Ready for use:	3 days
Flexural strength	38
Compressive strength (N/mm <sup>2</sup> ):	49
Abrasion resistance	147 (loss in mm <sup>3</sup> )
Water absorption (g):	0.05
Resistance to humidity:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oil:	very good
Resistance to acids and alkalis:	excellent
In service temperature range:	from -5°C to +90°C



# EPOXY GROUT

Tow component epoxy grout easy to apply, ideal for grouting ceramic tiles and mosaics.

## TECHNICAL CHARACTERISTICS

- Epoxy Grout has excellent resistance to acids and is very easy to clean. Has a bacteriostatic agent, preventing from the proliferation of bacteria and the formation of mould on the surfaces of grouts, making tiled surfaces hygienic and safe.
- This is a product with very low emission of volatile organic compounds .
- When applied correctly, it produces tile joints with the following characteristics:
- excellent mechanical strength and resistance
- to chemicals, therefore excellent durability;
- Smooth and compact, surface finish which is non-absorbent and easy to clean
- high degree of hardness, excellent resistance to heavy traffic
- no shrinkage and, therefore, no cracking;
- excellent workability, highly improved compared with traditional epoxy mortars thanks to its creamy consistency, which guarantees faster application times and makes it easier to clean the surfaces, with less waste and easier to obtain a good finish.

## TECHNICAL DATA

In compliance with : EN 13888

	Component A	Component B
Consistency	thick paste	liqued
Density (g/cm³):	1.85	0.98
Dry solids content (%):	100	100
Brookfield viscosity(mPa-s)	1,200,000	90,000

## PRODUCT IDENTITY ( COMPONENT A )

Consistency:	thick paste
Colour:	available in 19 di
Density (g/cm³):	1.85
Dry solids content (%):	100
Brookfield viscosity (mPa-s)	1,200,000
EMICODE (as a grout):	EC1 R Plus - ver

## RECOMMENDATIONS

- Kerapoxy CQ does not guarantee perfect bonding if the edges of the tiles are wet or contaminated with cement, dust, oil, grease, etc. during grouting.
- Do not add water or solvents.
- Use the product at temperatures between 7°C and 40°C. However, at
- temperatures below 11°C application may be more difficult.
- The packages are pre-dosed and, therefore, it is not possible to make mixing errors if all the contents are mixed together. Do not rough guess the quantities when
- mixing the two components: hardening will be compromised if the catalysing ratio is wrong.

# G4

## EPOXY GROUT

Two component epoxy grout easy to apply, ideal for grouting ceramic tiles and mosaics.

### WHERE TO USE

#### Preparation of the joints

The joints must be clean, free of dust and free from adhesive to at least 2/3 of the thickness of the tiles. Any adhesive or mortar which has seeped into the joints while laying the tiles must be removed while still fresh. Before grouting, make sure the installation mortar or adhesive has set and most of the moisture has been lost.

Preparation of the mix Pour the part B into the container of part A and mix well until a smooth paste is obtained. We recommend using a low-speed electric mixer to guarantee perfect blending, and to avoid overheating of the mix which would reduce working times. Use the mix within 30 minutes of preparation.

#### Application

Spread Epoxy grout over the tiled surface with, making sure that the joints are filled right down to the bottom. With the edge of the same float, strike off excess material.

#### Finish

After grouting with Epoxy grout, floor finishes must be cleaned while the grout is still "fresh". Cleaning of the joints may be carried out using a small amount of Epoxy Cleaner and an abrasive sponge for cleaning joints, taking care to avoid removing grout from the joints.

The sponge must be saturated with water when cleaning finishes.

The residual liquid may be removed with the same sponge, which must be replaced when it becomes too impregnated with resin, and the same technique may be used when finishing off the grouted joints. After the finishing operation, it is very important that no traces of Epoxy grout remain on the surface. Once hardened, it is very difficult to remove. In the case of very large floor surfaces, finishing may be carried out by wetting the surface and using a single-head rotary machine with special abrasive felt disks.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# G5

## POLYWED TILE & GROUT CLEANER

Coverage: 1 kg covered from 3.5 to 15 m<sup>2</sup>

**GROUT** **GROUT CLEANER**

Polywed Tile & Grout Cleaner is a acidic cleaner formulated to remove cement grout haze, mortar residue, mineral deposits, rust stains and efflorescence from tile, concrete and masonry surfaces. It is also effective for removing hard-water stains, lime deposits and soap scum.

### FEATURES AND BENEFITS

Easy to apply and can be cleaned easily. It only needs to be mixed with water. available in a wide range of attractive colors (please consult our color chart board).

### WHERE TO USE

- Formulated to remove cement grout haze, mineral deposits, lime deposits, rust stains, soap scum and mortar residue
- Concentrated formula
- Contains no phosphates

### PRODUCT APPLICATION

- Choose all appropriate safety equipment before use.  
 Always test first in several inconspicuous areas to confirm desired results.
1. Avoid skin and eye contact by wearing chemical-resistant gloves and protective lenses.
  2. Shake well before using.
  3. Working in a small, manageable area of about 15 sq.ft. (1.39 m<sup>2</sup>), liberally apply an even coat over the required area with a paint brush, mop, sponge or paint pad. Do not apply with a sprayer.
  4. Immediately remove product from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
  5. Allow product to stand on the surface for 2 to 5 minutes.
  6. Do not let Polywed Tile & Grout Cleaner dry on the surface. Keep the surface wet by adding more product.
  7. Agitate surface with a soft brush or white scrub pad after first testing a small area to make sure that a brush or pad will not scratch the surface.
  8. Thoroughly rinse the surface with clean water. Mop or wet-vacuum up the dirty solution and allow the surface to dry thoroughly. Close container tightly after each use. Store in original container only. Store between temperatures of 35°F to 90°F (2°C to 40°C).

### SHELF LIFE AND APPLICATION PROPERTIES

Shelf life	Up to 1 years when stored in the original sealed container. Freeze/ thaw-stable.
Appearance	Clear liquid
Odor	Slight odor
Physical state	Liquid
VOCs	0 g per L

### LIMITATIONS

- 1- Ensure that product does not come in contact with any non-recommended surface. It will etch polished marble, limestone and concrete, and may lighten the color of cementitious materials.
- 2- Do not mix with other chemicals.
- 3- Do not use on acid-sensitive or polished surfaces.
- 4- Concrete and grout should be fully cured according to the manufacturer's specifications.

### LIMITATIONS

Sweep or vacuum all surfaces to remove loose debris. For best results, pre-wet the surface with water.

### PACKAGING

Available 4 kg\*6 pic and 20 Kg



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# G6

## EPOXY CLEANER

Epoxy Cleaner is a detergent used to remove traces of epoxy grout from ceramic and glass mosaic coatings.

**EPOXY CLEANER**

Removal of epoxy grout residues whether small or large from the surface of ceramic and glass coatings. Cleaning of the tile/mosaic surface grouted with Epoxy grout. after completion of grouting. Removal of epoxy grout residues whether small or large from the surface of ceramic and glass coatings. Cleaning of the tile/mosaic surface grouted with Epoxy grout. after completion of grouting.

### TECHNICAL CHARACTERISTICS

Epoxy Cleaner is a concentrated liquid detergent for epoxy grout. used to remove residues, stains and marks of epoxy grout without giving off hazardous fumes. If used correctly, epoxy Cleaner does not damage either the tile/mosaic surface or grouted joints.

### RECOMMENDATIONS

- Do not use on polished marble or stone.
- Do not use on wood.
- Before using Epoxy cleaner on materials with an unknown surface resistance, test the product beforehand to make sure it does not damage the surface.
- Before using the product, protect all surfaces which could be damaged in direct contact with the product.

### APPLICATION PROCEDURE

Apply Epoxy Cleaner on the surface to be cleaned or on the traces of grout and leave standing for a few minutes. The product is particularly efficient on fresh grout. If cleaning is carried out a few hours after applying the grout, it may be necessary to leave it standing for longer (at least 15-20 minutes), or repeat the cycle.

### PACKAGING

Epoxy Cleaner is available in 4 kg and 20 kg .

### STORAGE

Epoxy Cleaner may be stored for up to 24 months in its original, sealed packaging in a cool place.

### TECHNICAL DATA

#### PRODUCT IDENTITY

Consistency:	liquid
Colour:	transparent straw yellow
Density (g/cm <sup>3</sup> ):	1.010
pH:	10

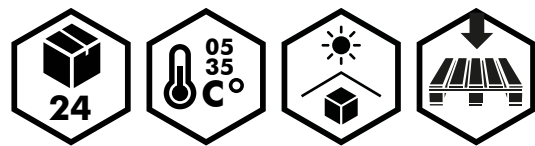
#### APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +5°C to +35°C
Waiting time before rinsing:	from a few minutes with fresh grout, up to 2 hours for more difficult residues

### SAFETY INSTRUCTIONS

#### PREPARATION AND APPLICATION

Epoxy Cleaner is irritant for the eyes. During use wear safety gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes or the skin, was immediately with plenty of water and seek medical attention.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





For more information about our products and services  
please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)



# PRODUCT Epoxy

Polywed offers a full range of superior and extensive epoxy products that have been built to suit the end-user requirements. Today our epoxy products are sold across the middle eastern region. Our range of Epoxy solutions consists of different types of Epoxy for heavy duty flooring for industrial, and commercial use.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- ◆ E1 - Epoxy 770
- ◆ E2 - Epoxy Supercoat 550
- ◆ E3 - Epoxy Primer
- ◆ E4 - Epoxy Cleaner
- ◆ E5 - Epoxy Mortar
- ◆ E6 - Epoxy Steel Primer
- ◆ E7 - Anchor Fix



**polywep**

CONSTRUCTION CHEMICALS





# EPOXY

## Epoxy 770



Epoxy 770 is a high build, hard wearing, solvent free epoxy resin coating, designed to provide a hard and glossy coating to concrete floors. It is supplied as a coloured base (resin) and hardener in pre-weighted quantities ready for onsite mixing and use. Areas for use:

- 1- Used as protective and decorative coating that requires high chemical resistance and hard wearing floor
- 2- Aircraft hangars, Car parking, Showrooms, and Warehouses
- 3- Industrial uses such as: soft drink and beverage production areas, dairy production areas and general food processing and manufacturing plants.

E1

## Epoxy Supercoat 550



Epoxy Supercoat 550 is a solvent free, non-toxic, high build epoxy resin protective coating with outstanding chemical and mechanical properties. Supercoat 550 is supplied as a two component product in pre-weighted base and hardener packs, ready for site mixing. Areas for use:

- 1- Heavy duty protective coating for concrete and steel.
- 2- Internal protective lining for potable water concrete or steel tanks.
- 3- Heavy duty wall and floor coating in food processing plants, grain silos, dairies, hospitals, pharmaceutical industries, car parking, power stations, oil refineries, and sewage treatment plants.

E2

## Epoxy Primer



Epoxy Primer is a two-component; solvent-free, clear epoxy primer specially formulated and designed to be applied over a porous surface to seal it and to act as a bonding bridge between

### AREAS FOR USE

- 1- Used As a primer for porous and semi-porous concrete and steel substrates for both epoxy and PU flooring systems
- 2- Areas that require high mechanical characteristics for all flooring system
- 3- Areas that require bonding to concrete and steel and high durability for flooring systems.

E3

## Epoxy Cleaner



High viscosity liquid detergent for cleaning epoxy residue. This product is ideal for non-absorbent materials such as porcelain, glazed ceramic, and glass mosaics. It's also effective in removing significant and consolidated residue.

### AREAS FOR USE

- 1- Areas where epoxy grout has been used
- 2- Effective for removing hard-water stains, lime deposits, and soap scum.
- 3- Glazed ceramic and glass mosaics. It's also effective in removing significant and consolidated residue

E4

## Epoxy Mortar



A three component epoxy based solvent free and fast strength development repair mortar. Once components of the kit are mixed this product becomes suitable for vertical and overhead bonding and structural repairs.

### AREAS FOR USE

- 1- Used for threaded rods and reinforcing bars in uncracked concrete to suit various anchoring applications.
- 2- Patching repair to defective concrete and bonding concrete to concrete or metal to concrete
- 3- For gap filling and pin holes in concrete

E5



**Epoxy 770**

## Epoxy Steel Primer



A two component, epoxy solvent based that is designed to provide active anti-corrosion coating for steel reinforcement, steel structure, tanks, pipelines, plant components, etc.

### AREAS FOR USE

- 1- Areas that require a protective coating from corrosion for steel, and galvanized steel substrates.
- 2- Areas that require resistance to salt and chloride attacks.
- 3- Areas and structures that require Excellent overcoating characteristics.

**E6**

## Anchor Fix



An Adhesive anchor system that has been specially formulated as a high performance, three epoxy component adhesive anchor system for threaded rods and reinforcing bars in uncracked concrete to suit various applications.

### AREAS FOR USE

- 1- Threaded rods, bolts and special fastening / fixing systems Mechanical and electrical services installation (heating and ventilating, sanitary, etc)
- 2- Anchoring of supports for ducting and equipment Metalwork, and carpentry.
- 3- Fixing of Substrates: Fixing of handrails, balustrades and supports, fixing of railings, fixing of window and door frames, concrete, hollow and solid masonry, steel, wood hard natural and reconstituted stone, and Solid rock

**E7**





# E1

## POLYWED EPOXY 770

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

**EPOXY BONDING**

POLYWED EPOXY 770 is a high build, hard wearing, two component, Solvent free, gloss coating to concrete floors.

### APPLICATION

POLYWED EPOXY 770 is used as protective, decorative, high chemical resistance & hardwearing floor coating system for a wide range of application including:

- Air craft hangars.
- Car parks.
- Soft drink and beverage production areas.
- Diaries production areas.
- Show rooms.
- Production, maintenance and assembly areas.
- Ware houses.
- General food processing & manufacturing plants.

### ADVANTAGES

- High chemical and mechanical resistance.
- Available in a wide range of attractive colors.
- Easy application.
- High build.

### PACKAGING

POLYWED EPOXY 770 is available in 5 kg and 15 kg Pails.

### COVERAGE

#### Smooth finish:

5 Kg pack of POLYWED EPOXY 770 covers 15 m<sup>2</sup> @ a dft of 200 microns (two coats required).

#### Slip-resistant finish :

5 Kg pack of POLYWED EPOXY 770 covers 10 m<sup>2</sup> at a dft of 300 microns (2 coats required).

### TECHNICAL PROPERTIES

Compressive strength:	70N/mm <sup>2</sup> @ 25 °C
Flexural strength:	40N/mm <sup>2</sup> @ 25 °C
Tensile strength:	20N/mm <sup>2</sup> @ 25 °C
Bond strength:	2.0N/mm <sup>2</sup> (concrete failure)
Solid content:	100%
Pot life:	40 minutes @ 25 °C 20 minutes @ 35 °C
Min. time between Coats:	12 hours @ 20 °C 6 hours @ 35 °C
Max. time between Coats:	36 hours @ 20 °C 18 hours @ 35 °C
Full curing time:	7 days @ 20 °C 5 days @ 35 °C

### STORAGE

Store in a dry area out of direct sun light between 5 °C and 45 °C.

### SHELF LIFE

POLYWED EPOXY 770 has a shelf life of 12 months if stored in proper conditions and un-opened packs.

### STORAGE

POLYWED SBR shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

# E1

## POLYWED EPOXY 770

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

### METHOD OF USE

#### Substrate preparation:

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating. Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a maximum concrete relative humidity of 80% (max a maximum concrete of 4%), relative humidity can be measured using a hygrometer. Concrete relative humidity should be less than 80% for concrete 28 days old or more.

#### Surface preparation:

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. Acid Etching can be used only in well ventilated areas. Areas deeply contaminated by oil or grease, such areas should be treated by hot compressed air.

#### Priming:

POLYWED EPOXY 770 exhibits excellent wear, abrasion and chemical resistance and is suitable for use in a wide variety of industrial and commercial applications. It can be used to provide a surface coating with a high gloss hygienic finish or a slip resistant coating system. POLYWED EPOXY 770 provides impermeable protection against common oils, greases, lubricants, aviation fuels and hydraulic oils. As in all corrosive situations, a full analysis of operating and exposure conditions is required, followed by reference to chemical resistance data to ensure product suitability.

#### Mixing:

Add the entire contents of the reactor container into the base container and mix the two components for 2 minutes using a slow speed drill fitted with a special mixing head until all striations have disappeared and a uniform color is obtained.

#### Coating:

Use brush or lambs wool roller, or airless spray machine to apply the mixed POLYWED EPOXY 770 on to the prepared surfaces. Apply 2 coats of POLYWED EPOXY 770 at 2 m<sup>2</sup>/kg per each coat, second coat should be applied at a right angle to the first coat. The second coat may be applied as soon as the first coat has initially dried. Drying time depend on the substrate and the ambient conditions. If the over coating time is exceeded the first coat must be abraded with sand paper prior to the application of the second coat. Adequate ventilation must be provided to ensure that necessary drying and curing of the material is achieved.

#### Anti-slip Application:

The base coat should be applied at a minimum film thickness of 250 micron and then fully blinded with the chosen anti-slip aggregate. Once the base coat has reached initial cure, all excess aggregate should be removed before a further application of POLYWED EPOXY 770 top coat. The top coat should be applied at minimum film thickness of 400 micron to 750 micron depending on anti-slip aggregate size used.

Fully cured POLYWED EPOXY 770 has been tested for a wide range of chemicals. Tests were carried out in accordance to ASTM D 543 standard of 7 days at 25 °C.

Below is a list of some of the chemicals tested.

Hydrochloric Acid 36%	
Nitric Acid 10%	
Phosphoric Acid 20%	
Sulphuric Acid 25%	
Lactic Acid 10%	
Citric Acid 25%	
Sodium Hydroxide 50%	Resistant
Sodium Chloride (sat).	
Petrol	
Brake fluid	
Oil	
Skydrol	
Kerosene	
Diesel	



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# E2

## POLYWED SUPERCOAT 500

A NON-TOXIC SOLVENT FREE HIGHBUILD, PROTECTIVE EPOXY RESIN COATING

**EPOXY** **RESIN COATING** **NON TOXIC**

SUPER COAT 500 is a solvent free, non-toxic; high build epoxy resin protective coating with outstanding chemical and mechanical properties. SUPERCOAT 500 is supplied as a two component in pre-weighted base and hardener packs, ready for site mixing.

### APPLICATION

SUPERCOAT 500 is designed for internal application such as: Heavy duty protective coating for concrete and steel. Internal protective lining for potable water concrete or steel tanks. Heavy duty wall and floor coating in food processing plants, grain silos, dairies, breweries, hospitals, and pharmaceutical industries. High chemical resistant protective coating for power stations, oil refineries, and sewage treatment plants.

### ADVANTAGES

- Approved for use in contact with potable water. Excellent resistance to mould and fungus growth. Excellent resistance to a variety of chemicals.
- Easy to clean with a smooth, hard and glossy finish. Non-toxic.
- Exhibits good mechanical properties. Resistant to sewage effluents.

### STANDARDS

SUPERCOAT 500 complies with the requirements of BS6920:2000

### CLEANING

All tools should be cleaned immediately after application using POLYWED Solvent. Hardened materials must be cleaned mechanically.

### PACKAGING

SUPERCOAT 500 is available in 5 kg and 15 kg packs.

### STORAGE

SUPERCOAT 500 has a shelf life of 12 months if stored in dry conditions at room temperature in original unopened packs. If these conditions are not met, POLYWED technical department should be contacted for advice.

### TECHNICAL PROPERTIES

Mixed density at 250C:	1.5/cm <sup>3</sup>
Working life at 25°C:	30 minutes
Tack free time at 35°C:	Approx. 4 hours
Cure (by compressive strength) at 25°C:	>4N/mm <sup>2</sup> at 12 hours >65N/mm <sup>2</sup> at 4 days
Coverage:	0.29 - 0.40kg / m <sup>2</sup> / coat
Finished film thickness:	180-240 microns per coat
Bond to concrete:	In excess of the cohesive strength of concrete
Full cure:	After 7 days @ 25 °C

### NOTES

SUPERCOAT 500 should not be applied over existing coatings. But it can be applied on top of itself, by maintaining the mentioned recoatable time. Application should not be undertaken if the temperature is below 5 °C, nor when the relative humidity exceeds 90%.

Application should not be done, when there is standing or running water.

SUPERCOAT 500 is not color stable when exposed to direct sunlight nor when in contact with some chemicals. However this color change does not affect the performance of the coating. Precaution is recommended if the application is taking place at high temperatures (above 30 °C).

# E2

## POLYWED SUPERCOAT 500

A NON-TOXIC SOLVENT FREE HIGHBUILD, PROTECTIVE EPOXY RESIN COATING

### METHOD OF USE

#### Substrate preparation:

##### Concrete surfaces:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by grit blasting or water jetting. All exposed blow holes should be filled with epoxy Paste using EPOXY POLYPUTTY

##### Steel surfaces:

All surfaces should be grit blasted to reach a bright finish meeting the requirement of Swedish standard SA21/2.

#### Mixing:

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes and until uniform color and consistency are achieved.

#### Application:

SUPERCOAT 500 can be applied by roller. The first coat should be applied to obtain a continuous uniform coating. The second coat should be applied within the overcoating time to achieve the maximum adhesion between the two coats.

### CAUTION

#### Health and Safety:

SUPERCOAT 500 should not come in contact with skin or eyes. Goggles and gloves should be used. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# E3

## EPOXY PRIMER

Epoxy Primer is a two-component; solvent-free, clear epoxy primer specially formulated

**EPOXY PRIMER CLEAR EPOXY**

Epoxy Primer is designed to be applied over porous surface to seal it and to act as a bonding bridge between it and the following coating system or mortar. Epoxy Primer is used for substrates which are prepared to receive flooring coating or sealants. It obtains high durability for any system it becomes a part of, while in some cases it is considered mandatory like in epoxy screeds when it acts as bonding agent.

### USES

- As a primer for porous and semi-porous concrete and steel substrates.
- For both Epoxy and PU flooring systems.

### ADVANTAGES

- Provides excellent bonding to concrete and steel.
- Provides high durability for flooring systems.
- Provides excellent water resistance.
- Safe when used in closed spaces, as it is solvent free.
- Obtains high mechanical characteristics for all flooring systems.

### PACKAGING

5 KG and 15 KG set

### SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers in shaded place (5- 40C°).

### PACKAGING

SUPERCOAT 500 is available in 5 kg and 15 kg packs.

### STORAGE

SUPERCOAT 500 has a shelf life of 12 months if stored in dry conditions at room temperature in original unopened packs. If these conditions are not met, POLYWED technical department should be contacted for advice.

### TECHNICAL PROPERTIES

Appearance	ClearLiquid
Solidcontent	100%
Density (ASTM D1475) kg/ltr@25C	1.05±0.05
Pot life (ASTM D2471) min@25C	60±10
Touch dry (ASTMD2471) hrs@25C	8±15 min
Min overcoating hrs@25C	12±30 min
Coverage m2/kg@125mic	>5
Adhesion to concrete (ASTMD4541)N/mm2	>2.5

### PRECAUTION

#### Health and Safety

All safety stuff should be worn during application like safety goggles and rubber gloves, to avoid any harmful accidents. If Epoxy Primer is splashed accidentally to the skin, it must be washed off with water and soap at once. If it was splashed to the eyes or nose, they must be rinsed with plenty amount of clean warm water and seek medical attention immediately.



# E3

## EPOXY PRIMER

Epoxy Primer is a two-component; solvent-free, clear epoxy primer specially formulated

### APPLICATION INSTRUCTION

#### Surface preparation

Epoxy Primer is applied on sound, clean, and dry substrates in order to achieve maximum adhesion between Epoxy Primer and substrate.

New concrete floors should be at least 28 days age. Laitance, oil and grease could be removed by either using Poly Cleaner, sand blasting or by steam cleaning. All steel substrates should be free from dirt, oil and grease and blast-cleaned to Sa 2½ according to EN ISO 12944, part 4.

#### Mixing

Stir the base only separately, then the entire contents of the smaller can (hardener) could be poured into the base container and the material should be mixed for at least one minute by mechanical mixer using a slow or medium speed.

#### Application

Apply Epoxy Primer by brush or roller, ensuring that the substrate is completely covered. In the case of very porous concrete substrates, further coats of primer may be required. It's recommended to finish all concrete repairs in prior to apply Epoxy Primer like crack filling or bores smoothing, but all surfaces should be dry as well i.e. it's preferable to use epoxy repair pastes for repair to save time.

Epoxy Primer could be used as well as an anti slip base coat by broadcasting 1,2 or 3 as per the desired roughness degree, then other flooring top coat could be used for the other layers. In some applications like epoxy screeds, primer should be tacky during screed application, but for all other coating systems, it should be dry before any overcoat is achieved.

The advised waiting time for Epoxy Primer is 24 hours, while in hot climates (over 35oC), over coating time might drop down to less than 8 hours.

### TECHNICAL SUPPORT

POLYWED provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other POLYWED products and guidance on their use are available on request.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# E4

## EPOXY CLEANER

Epoxy Cleaner is a detergent used to remove traces of epoxy grout from ceramic and glass mosaic coatings.

**EPOXY CLEANER**

Removal of epoxy grout residues whether small or large from the surface of ceramic and glass coatings. Cleaning of the tile/mosaic surface grouted with Epoxy grout. after completion of grouting. Removal of epoxy grout residues whether small or large from the surface of ceramic and glass coatings. Cleaning of the tile/mosaic surface grouted with Epoxy grout. after completion of grouting.

### TECHNICAL CHARACTERISTICS

Epoxy Cleaner is a concentrated liquid detergent for epoxy grout. used to remove residues, stains and marks of epoxy grout without giving off hazardous fumes. If used correctly, epoxy Cleaner does not damage either the tile/mosaic surface or grouted joints.

### RECOMMENDATIONS

- Do not use on polished marble or stone.
- Do not use on wood.
- Before using Epoxy cleaner on materials with an unknown surface resistance, test the product beforehand to make sure it does not damage the surface.
- Before using the product, protect all surfaces which could be damaged in direct contact with the product.

### APPLICATION PROCEDURE

Apply Epoxy Cleaner on the surface to be cleaned or on the traces of grout and leave standing for a few minutes. The product is particularly efficient on fresh grout. If cleaning is carried out a few hours after applying the grout, it may be necessary to leave it standing for longer (at least 15-20 minutes), or repeat the cycle.

### PACKAGING

Epoxy Cleaner is available in 4 kg and 20 kg .

### STORAGE

Epoxy Cleaner may be stored for up to 24 months in its original, sealed packaging in a cool place.

### TECHNICAL DATA

#### PRODUCT IDENTITY

Consistency:	liquid
Colour:	transparent straw yellow
Density (g/cm <sup>3</sup> ):	1.010
pH:	10

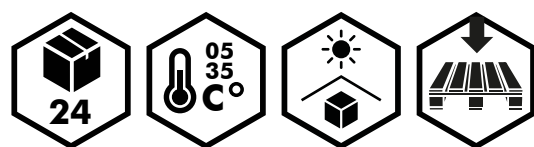
#### APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +5°C to +35°C
Waiting time before rinsing:	from a few minutes with fresh grout, up to 2 hours for more difficult residues

### SAFETY INSTRUCTIONS

#### PREPARATION AND APPLICATION

Epoxy Cleaner is irritant for the eyes. During use wear safety gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes or the skin, was immediately with plenty of water and seek medical attention.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# E5

## EPOXY MORTAR

High Performance, Three component epoxy adhesive anchor system and mortar

**EPOXY** **PRIMER** **CLEAR EPOXY**

Adhesive anchor system has been specially formulated as a high performance, three epoxy component adhesive anchor system for threaded rods and reinforcing bars in uncracked concrete to suit transport applications. also can used as mortar with high thickness .

### USES

- As a fast curing anchoring adhesive for all grades of: Rebars / reinforcing steel
- Threaded rods
- Bolts and special fastening systems Concrete
- Hollow and solid masonry Mortar for high thickness.

### ADVANTAGES

- Fast curing
- Standard guns can be used
- Can be used at low temperatures High load capacity
- Non-sag, even overhead Low wastage

### PRECAUTION

#### Health and Safety

Is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles should be worn. Splashes on the skin should be removed with water. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

### PACKAGING

1 and 5 KG set

### CLEANING

Clean all tools and application equipment immediately after use. Hardened and/or cured material can only be removed mechanically.

### TECHNICAL PROPERTIES

Color	Sandy Beige
Density @25oC,kg/ltr	1.76±0.02
Pot lifemin@25oC	35±5
Adhesion to concrete (concretefailure)N/mm <sup>2</sup>	>1.5
Tensile Strength N/mm <sup>2</sup> @7days	15±0.5
Flexural Strength N/mm <sup>2</sup> @7days	24±0.5
Compressive strength, N/mm <sup>2</sup> @7days	75±1
Slant Shear strength, N/mm <sup>2</sup> @7days	25±5

# E5

## POLYWED EPOXY MORTAR

High Performance, Three component epoxy adhesive anchor system and mortar

### APPLICATION INSTRUCTION

- Drilling of hole with an electric drill to the diameter and depth required. Drill hole diameter must be in accordance with anchor size.
- The drill hole must be cleaned with a blow pump or by compressed air, starting from the bottom of the hole.
- The drill hole must be thoroughly cleaned with the special steel brush.
- The drill hole must be cleaned with a blow pump or by compressed air, starting from the bottom of the hole.
- Mixing Part A + part B + part C Inject the adhesive into the hole.
- Insert the anchor with a rotary motion into the filled drill hole. Some adhesive must come out of the hole.
- During the resin hardening time the anchor must not be moved or loaded.

### HOLE DEPTH FACTORS

#### Hole depth depends on more than one factor:

- Concrete compressive strength
- Steel rebar grade (tensile strength) Ultimate design axial load  
Concrete section depth
- Steel rebar diameter
- Each factor of the mentioned above is affecting the hole depth in different way. The concrete compressive strength is reversely affecting the hole depth i.e. the higher the compressive strength, the less the required hole depth for the same ultimate axial load, etc.
- For critical structural usage of POLYWED ANCHOR, we recommend going through pull off test to settle the right anchoring depth.

### ANCHORING PARAMETERS

Hole diameter is all the time related to the embedded steel rebar diameter.

The following table shows that relation which shows obviously the bigger the rebar diameter, the bigger the excess of the hole diameter, and that to give more tolerance for steel notches to be inserted easily.

Rebar diameter (mm)	Hole diameter (mm)
from 6 - 16	Rebar diameter + 4
from 18 - 32	Rebar diameter + 6
over 32	Rebar diameter + 8



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# E6

## EPOXY STEEL PRIMER

Two Component Epoxy Primer for Steel

**EPOXY ANTI CORROSION**

POLYWED EPOXY STEEL PRIMER is a two component , epoxy based primer , designed to provide active anti-corrosion coating for steel reinforcement.

### ADVANTAGE

- Provide a protective coating from corrosion for steel by active electro- chemical means .
- Easy application.
- Cost effective
- Fire resistance
- Excellent resistance to salt and chloride.

### INSTRUCTIONS FOR UE

#### Substrate Preparation:

The steel surface must be cleaned from any corrosion deposits and loose scale . it is recommended to use grit blasting for surface preparation . Steel brush can be used for steel cleaning. In all cases the steel should be clean and bright after cleaning.

#### Mixing:

Mix contents A & B thoroughly before use.

#### Coating

Use a small brush to apply Epoxy Steel Primer on the prepared surfaces to achieve a uniform and full coverage . Particular attention should be given to reinforcement steel back face. If an unbrocken coating was not achieved by using one coat , a second coat should be applied within the over coat time between 30 -60 minutes.

Application should be carried out as soon as possible after finishing the surface preparation and in all cases not exceed 4 hours.

### SHELF LIFE

POLYWED EPOXY STEEL PRIMER has shelf life of 12 months if stored in proper conditions and un- opened containers.

### TECHNICAL PROPERTIES

Color	Gray and White
Specific gravity	1.85± 0.01 @ 25C
Recoating time	30-60 min @20 C 15-40 min @ 35 C
DFT	50 Micron / Coat
WFT	165 Micron / coat

### PACKAGING

Available in 5 Kg and 15 Kg Cans.

### STORAGE

Store in dry area away from direct sunlight .

### PRECAUTIONS

POLYWED EPOXY STEEL PRIMER shouldn't come in contact with skin and eyes . In case of accidental splashes to the eyes , rinse thoroughly with clean water and seek medical advice.

Suitable protective gloves and goggles must be worn. Ensure adequate ventilation and avoid inhalation of vapor.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# E7

## ANCHOR FIX

High Performance, Three component epoxy adhesive anchor system

EPOXY ANCHOR FIX ADHESIVE

Adhesive anchor system has been specially formulated as a high performance, three epoxy component adhesive anchor system for threaded rods and reinforcing bars in uncracked concrete to suit transport applications.

### ADVANTAGES

- Fast curing
- Standard guns can be used
- Can be used at low temperatures High load capacity
- Non-sag, even overhead Low wastage

### USAGE

- As a fast curing anchoring adhesive for all grades of: Rebars / reinforcing steel
- Threaded rods
- Bolts and special fastening systems Concrete
- Hollow and solid masonry

### PRECAUTION

#### Health and Safety

Is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles should be worn. Splashes on the skin should be removed with water. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

### PACKAGING

1 and 5 KG set

### INSTRUCTION OF USE

- Drilling of hole with an electric drill to the diameter and depth required. Drill hole diameter must be in accordance with anchor size.
- The drill hole must be cleaned with a blow pump or by compressed air, starting from the bottom of the hole.
- The drill hole must be thoroughly cleaned with the special steel brush.
- The drill hole must be cleaned with a blow pump or by compressed air, starting from the bottom of the hole.
- Mixing Part A + part B + part C Inject the adhesive into the hole.
- Insert the anchor with a rotary motion into the filled drill hole. Some adhesive must come out of the hole.
- During the resin hardening time the anchor must not be moved or loaded

### TECHNICAL PROPERTIES

Color	Sandy Beige
Density @25°C,kg/ltr	1.76±0.02
Pot lifemin@25°C	35±5
Adhesion to concrete (concretefailure)N/mm <sup>2</sup>	>1.5
Tensile Strength N/mm <sup>2</sup> @7days	15±0.5
Flexural Strength N/mm <sup>2</sup> @7days	24±0.5
Compressive strength, N/mm <sup>2</sup> @7days	75±1
Slant Shear strength, N/mm <sup>2</sup> @7days	25±5

# E7

## POLYWED ANCHOR FIX

High Performance, Three component epoxy adhesive anchor system

### HOLE DEPTH FACTORS

#### Hole depth depends on more than one factor:

- Concrete compressive strength
- Steel rebar grade (tensile strength) Ultimate design axial load  
Concrete section depth
- Steel rebar diameter
- Each factor of the mentioned above is affecting the hole depth in different way. The concrete compressive strength is reversely affecting the hole depth i.e. the higher the compressive strength, the less the required hole depth for the same ultimate axial load, etc.
- For critical structural usage of POLYWED ANCHOR, we recommend going through pull off test to settle the right anchoring depth.

### ANCHORING PARAMETERS

Hole diameter is all the time related to the embedded steel rebar diameter.

The following table shows that relation which shows obviously the bigger the rebar diameter, the bigger the excess of the hole diameter, and that to give more tolerance for steel notches to be inserted easily.

Rebar diameter (mm)	Hole diameter (mm)
from 6 - 16	Rebar diameter + 4
from 18 - 32	Rebar diameter + 6
over 32	Rebar diameter + 8



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# PRODUCT Paint

PolyWeds formulates a series of paints, both Oil and Water Based used for either interior or exterior application or both. PolyWeds Interior Paint is formulated to withstand scraping and is designed to be more resistant to physical damage; however, it is more delicate than PolyWeds exterior paint.

Our paints are made that they can be scrubbed and cleaned and battle staining. PolyWeds Oil Based Paints are made either full-Gloss Semi-Gloss or No Gloss.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- P1 - WB Interior Paint - Matt
- P2 - WB Exterior Paint - Matt
- P3 - WB Exterior Paint - Semi Gloss
- P4 - OB Interior & Exterior Paint - Semi Gloss
- P5 - OB Interior & Exterior Paint - Full Gloss
- P6 - Interior Texture Paint
- P7 - Exterior Textue Paint
- P8 - Paint Primer



**polywed**

CONSTRUCTION CHEMICALS





# P1

## POLYWED EMULSION

Emulsion matte paint with a high quality for internal use.

**MATT PAINT** **INTERNAL**

Emulsion matte paint with a high quality for internal use consisting of acrylic copolymer and other chemicals to gain durability and resistance to weather and gives excellent properties for the application, and in conformity with the standards and specifications Arabia No. 2002/470.

### APPLICATION

This is recommended as a class final for walls and ceilings, panels, gypsum and concrete surfaces for external use.

### APPLICATION INSTRUCTIONS

- surface preparation and the preparation of a good
- clean it properly.
- Remove the old paint (if any) completely out of the surface, and to make sure that the surface completely clean and free of dirt, dust, oils and dirt.
- A single layer of the base coating and leave it to dry .
- Two Coat recommended from Ext. Emulsion.

### APPLICATION TOOLS

- Roller
- Brush: Basic

### PACKAGE

Pail 20 kg & 1 Gallon

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place

### TECHNICAL DATA

Density	1.5 at a temperature ° 25 m. ASTM D-14
Viscosity	105 Unit Corps at a temperature° 25 m. .ASTM D-562
Solid content	40% by volume .ASTM D-5201
Coverage rate	3 m <sup>2</sup> / Kg, at a dry layer thickness of 40 microns without dilution.
Water resistance	Passing 7 days, .ASTM D-870
Alkali resistance	Passing 7 days) solution concentration%1ASTM D-1308
Resistance salts	Passing 7days) solution concentration% 1.5 (.ASTM D- 1308
Adhesion strength	pass, .ASTM D-3359
Dryness time	Surface dry 30 minutes. Two hours to complete dryness.
Time interval between two layers coating	Minimum 4 hours.
Diluted	water
Dilution ratio	10-15% (by volume, when using a roller and brush. And it depends on the weather conditions when in use



# P1

## POLYWED EMULSION

Emulsion matte paint with a high quality for internal use.

### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a water to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 25-40 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# P2

## POLYWED EMULSION

Emulsion matte paint with a high quality for External use.

**MATT PAINT** **EXTERNAL**

Emulsion matte paint with a high quality for external use consisting of acrylic copolymer and other chemicals to gain durability and resistance to weather and gives excellent properties for the application, and in conformity with the standards and specifications Arabia No. 2002/470.

### APPLICATION

This is recommended as a class final for walls and ceilings, panels, gypsum and concrete surfaces for external use.

### APPLICATION INSTRUCTIONS

- Surface preparation and the preparation of a good clean it properly.
- Remove the old paint (if any) completely out of the surface, and to make sure that the surface completely clean and free of dirt, dust, oils and dirt.
- A single layer of the base coating and leave it to dry .
- Two Coat recommended from Ext. Emulsion.

### APPLICATION TOOLS

- Roller
- Brush: Basic

### PACKAGE

Pail 20 kg & 1 Gallon

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place

### TECHNICAL DATA

Density	1.5 at a temperature ° 25 m. ASTM D-14
Viscosity	105 Unit Corps at a temperature° 25 m. .ASTM D-562
Solid content	40% by volume .ASTM D-5201
Coverage rate	3 m <sup>2</sup> / Kg, at a dry layer thickness of 40 microns without dilution.
Water resistance	Passing 7 days, .ASTM D-870
Alkali resistance	Passing 7 days) solution concentration%1ASTM D-1308
Resistance salts	Passing 7 days) solution concentration% 1.5 (. .ASTM D- 1308
Adhesion strength	pass, .ASTM D-3359
Dryness time	Surface dry 30 minutes. Two hours to complete dryness.
Time interval between two layers coating	Minimum 4 hours.
Diluted	Water
Dilution ratio	10-15% (by volume, when using a roller and brush. And it depends on the weather conditions when in use

# P2

## POLYWED EMULSION

Emulsion matte paint with a high quality for External use.

### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a water to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 25-40 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# P3

## POLYWED EMULSION

Emulsion Semi gloss paint with a high quality external and internal use.

MATT PAINT EXTERNAL

Emulsion semi gloss paint with a high quality external use consisting of acrylic copolymer and other chemicals to gain durability and resistance to weather and gives excellent properties for the application, and in conformity with the standards and specifications Arabia No. 2002/470.

### APPLICATION

This is recommended as a class final for walls and ceilings, panels, gypsum and concrete surfaces for external use.

### APPLICATION INSTRUCTIONS

- Surface preparation and the preparation of a good clean it properly.
- Remove the old paint (if any) completely out of the surface, and to make sure that the surface completely clean and free of dirt, dust, oils and dirt.
- A single layer of the base coating and leave it to dry .
- Two Coat recommended from Ext. Emulsion.

### APPLICATION TOOLS

- Roller
- Brush: Basic

### PACKAGE

Pail 20 kg & 1 Gallon

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place

### TECHNICAL DATA

Density	1.5 at a temperature ° 25 m. ASTM D-14
Viscosity	105 Unit Corps at a temperature ° 25 m. ASTM D-562
Solid content	40% by volume .ASTM D-5201
Coverage rate	3 m <sup>2</sup> / Kg, at a dry layer thickness of 40 microns without dilution.
Water resistance	Passing 7 days, .ASTM D-870
Alkali resistance	Passing 7 days) solution concentration%1ASTM D-1308
Resistance salts	Passing 7 days) solution concentration% 1.5 (.ASTM D- 1308
Adhesion strength	Pass, .ASTM D-3359
Dryness time	Surface dry 30 minutes. Two hours to complete dryness.
Time interval between two layers coating	Minimum 4 hours.
Diluted	Water
Dilution ratio	10-15% (by volume, when using a roller and brush. And it depends on the weather conditions when in use

# P3

## POLYWED EMULSION

Emulsion Semi gloss paint with a high quality external and internal use.

### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a water to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 25-40 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# P4

## POLYWED SEMI GLOSS ENAMELS

Oil Base Paint semi glossy high-quality external and internal applications

**OIL BASE** **SEMI GLOSSY** **EXTERNAL** **INTERNAL**

Oil base paint semi glossy high-quality external and internal applications, has very good properties in the stability of gloss and gives smooth surface appearance and excellent properties in coverage and characteristics, very good at resisting hard weather conditions. conformity with the standards and specifications Arabia 2002/470

### BASIC USES

Final Coat in external and internal applications used on concrete surfaces ,gypsum and wood. As well as the steel surfaces .

### APPLICATION INSTRUCTIONS

- Preparing the surface using sandpaper until it has remove the granules and all traces of oil, grease, dust and dirt completely from the surface.
- Clean the surface of the sanding dust by a broad soft brush or compressed air.
- A single layer of the base coating and leave it to dry.

### APPLICATION TOOLS

- Roller
- Brush: Basic

### PACKAGE

Pail 18 kg &1 Gallon

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place

### TECHNICAL DATA

Density	1.1 at a temperature ° 25 m. .ASTM D-1475+
Viscosity	90 Unit Corps at a temperature ° 25 m. .ASTM D-562
Solid content	46% by volume .ASTM D-5201
Coverage rate	10 m <sup>2</sup> / Kg, at a dry layer thickness of 30 microns.
Scratch resistance	Passing.ASTM D-5178
Water resistance	Passing ASTM D-870
Adhesion strength	pass, .ASTM D-3359
Dryness time	Surface dry 3hours. 16 hours to complete dryness.
Diluted	Thinner .

# P4

## POLYWED SEMI GLOSS ENAMELS

Oil Base Paint semi glossy high-quality external and internal applications

### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a Thinner to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 25-30 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%.

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint

**FOR MORE INFORMATION PLEASE CONTACT PHONE NO 0096626204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# P5

## POLYWED GLOSS ENAMELS

Oil Base Paint glossy high-quality external and internal applications

OIL BASE GLOSSY EXTERNAL INTERNAL

Oil base paint glossy high-quality external and internal applications, has very good properties in the stability of gloss and gives smooth surface appearance and excellent properties in coverage and characteristics, very good at resisting hard weather conditions. conformity with the standards and specifications Arabia 2002/470

### BASIC USES

Final Coat in external and internal applications used on concrete surfaces ,gypsum and wood. As well as the steel surfaces .

### APPLICATION INSTRUCTIONS

- Preparing the surface using sandpaper until it has remove the granules and all traces of oil, grease, dust and dirt completely from the surface.
- Clean the surface of the sanding dust by a broad soft brush or compressed air.
- A single layer of the base coating and leave it to dry.

### APPLICATION TOOLS

- Roller
- Brush: Basic

### PACKAGE

Pail 18 kg &1 Gallon

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place

### TECHNICAL DATA

Density	1.1 at a temperature ° 25 m. .ASTM D-1475+
Viscosity	90 Unit Corps at a temperature ° 25 m. .ASTM D-562
Solid content	46% by volume .ASTM D-5201
Coverage rate	10 m <sup>2</sup> / Kg, at a dry layer thickness of 30 microns.
Scratch resistance	Passing.ASTM D-5178
Water resistance	Passing ASTM D-870
Adhesion strength	pass, .ASTM D-3359
Dryness time	Surface dry 3hours. 16 hours to complete dryness.
Diluted	Thinner .

# P5

## POLYWED GLOSS ENAMELS

Oil Base Paint glossy high-quality external and internal applications

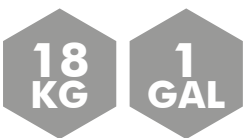
### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a Thinner to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 25-30 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%.

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint

**FOR MORE INFORMATION PLEASE CONTACT PHONE NO 0096626204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# P6

## POLY INTERIOR & EXTERIOR TEXTURE PAINT

Waterborne medium profile spatter texture based on acrylic copolymer resins filled with selected aggregates

**OIL BASE** **GLOSSY** **EXTERNAL** **INTERNAL**

waterborne medium profile spatter texture based on acrylic copolymer resins filled with selected aggregates

### COLOUR AND GLOSS

White

### RECOMMENDED SUBSTRATE CONDITIONS

#### New Primed substrates

- Dry and free from mortar splashes
- All surface contamination and dust must be removed

#### Previously painted (Maintenance)

- Remove all contamination, loose and flaking paint from the surface
- Spot prime all bare areas
- Cracks must be raked out and primed before filling.

### SPRAY EQUIPMENT

hopper gun or worm pump, e.g. Putzmeister P4 or S3

### RECOMMENDED THINNER

Sweet water

### VOLUME OF THINNER

max 5% depending on the required texture

### CLEANING SOLVENT

Sweet water

### ENVIRONMENTAL

complies with environmental specifications VOC < 50g/l

### PRINCIPAL CHARACTERISTICS @ 20 C°

Mass Density	approx. 1.9g/cm <sup>3</sup>
Solids content	approx. 77% ± 2% by weight 60% ± 2% by volume
Recommended dry film	250µ m – 1mm (average for open pattern)
Theoretical spreading rate	approx. 0.4 – 0.8 kg/ m <sup>2</sup> @ 1mm depending on the nature and condition of the substrate and the application method employed
Overcoating interval	min. 12 hours 16 hours if overcoating with solvented finishes max. no limitation
Shelf life (cool, dry place)	12 Months
Flashpoint	Above 65C°
Available Pack size	20 and 25 KG



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# P7

## POLY INTERIOR & EXTERIOR TEXTURE PAINT

Waterborne medium profile spatter texture based on acrylic copolymer resins filled with selected aggregates

OIL BASE TEXTURE EXTERNAL INTERNAL

waterborne medium profile spatter texture based on acrylic copolymer resins filled with selected aggregates

### COLOUR AND GLOSS

White

### PRINCIPAL CHARACTERISTICS

- For interior and exterior use
- unsaponifiable
- developed to provide a rounded texture finish
- sprayed as a spatter coat
- moisture vapour permeable
- less dust pickup due to rounded structure
- can be finished with various paint types
- good cohesive properties
- good adhesive properties
- various texture patterns possible
- almost odourless
- conforms to environmental specifications

### RECOMMENDED SUBSTRATE CONDITIONS

#### New Primed substrates

- Dry and free from mortar splashes
- All surface contamination and dust must be removed

#### Previously painted (Maintenance)

- Remove all contamination, loose and flaking paint from the surface
- Spot prime all bare areas
- Cracks must be raked out and primed before filling.

### DATA @ 20 C°

Mass Density	approx. 1.9g/cm <sup>3</sup>
Solids content	approx. 77% ± 2% by weight 60% ± 2% by volume
Recommended dry film	250µ m – 1mm (average for open pattern)
Theoretical spreading rate	approx. 0.4 – 0.8 kg/ m <sup>2</sup> @ 1mm depending on the nature and condition of the substrate and the application method employed
Overcoating interval	min. 12 hours 16 hours if overcoating with solvented finishes max. no limitation
Shelf life (cool, dry place)	12 Months
Flashpoint	Above 65C°
Available Pack size	20 and 25 KG

# P7

## POLY INTERIOR & EXTERIOR TEXTURE PAINT

Waterborne medium profile spatter texture based on acrylic copolymer resins filled with selected aggregates

### SPRAY EQUIPMENT

hopper gun or worm pump, e.g. Putzmeister P4 or S3

### RECOMMENDED THINNER

Sweet water

### VOLUME OF THINNER

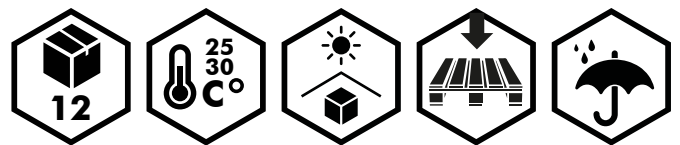
max 5% depending on the required texture

### CLEANING SOLVENT

Sweet water

### ENVIRONMENTAL

complies with environmental specifications VOC < 50g/l



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# P8

## SEALER

High-quality free of volatile organic solvents water- based

**SEALER** **WATER BASED**

High-quality free of volatile organic solvents water- based( VOC )Environment friendly, characterized by the composition coating layer completely free of health damage is used in interior applications. It features a penetrating and closing the pores and cohesion with the surface and resistance to weather conditions.

### BASIC USES

Used as a basis in their internal applications on concrete surfaces and concrete.

### APPLICATION INSTRUCTIONS

- Surface preparation and the preparation of a good clean it properly.
- Remove the old paint (if any) completely out of the surface, and to make sure that the surface completely clean and free of dirt, dust, oils and dirt.
- A single layer of the base coating and leave it to dry.

### APPLICATION TOOLS

Roller  
 Brush: Basic.

### PACKAGE

Pail 20 KG

### VALIDITY OF THE PRODUCT STORAGE

Almost 12 months in a closed container - suitable cool, dry and ventilated place.

### TECHNICAL DATA

Density	1.4 at a temperature ° 25 m. .ASTM D-14
Viscosity	95 Unit Corps at a temperature ° 25 m. .ASTM D-562
Solid content	34% by volume .ASTM D-5201
Coverage rate	5 m <sup>2</sup> / Kg
Water resistance	Passing 0.7 days.ASTM D-870
Alkali resistance	Passing 0.7 days) solution concentration%1 ASTM D-1308
Resistance salts	Passing 0.7 days) solution concentration% 1.5 (.ASTM D-1308
Adhesion strength	pass, .ASTM D-3359
Dryness time	Surface dry 30 minutes. Two hours to complete dryness.
Time interval between two layers coating	Minimum 4 hours.
Diluted	Water
Dilution ratio	10-15% (by volume, when using a roller and brush. And it depends on the weather conditions when in use

# P8

## SEALER

High-quality free of volatile organic solvents water- based

### SPECIAL INSTRUCTIONS

- You must paint mixing well until it becomes homogeneous before use.
- Dilution appropriate quantity using a water to get the proper viscosity.
- Do not paint over wet surfaces only after fully dry drier.
- Not apply the next layer coating unless the previous layer to dry completely.
- Desired temperature 10 ° C, at least.
- Surface must be free of moisture and not less than 8% and moisture content of not more than 70%.

### SAFETY INSTRUCTIONS

- Ensure adequate ventilation during application, avoid inhaling mist or vapors during paint.
- Paint must be out of the reach of children.
- In case of contact with the paint to the skin or eyes should be washed thoroughly with water and should avoid eating, drinking or smoking during paint



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



For more information about our products and services  
please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)



**PRODUCT**

# Repair Product

Polywed's Repair product range uses a high strength, rapid setting one-party system to repair concrete and grouting damage from hairline cracks right through to structural repairs. These products are ideal for repairing holes, spalls, and cracks in concrete. Once cured, the repaired concrete cracks will be two to three times stronger than the original concrete.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- ◆ R1 - Repair 900
- ◆ R2 - Repair 600
- ◆ R3 - Repair 300
- ◆ R4 - Hardtop Repair
- ◆ R5 - Grout Repair HF





**polywed**

CONSTRUCTION CHEMICALS





## REPAIR PRODUCTS



### Repair 900

Repair extra is a single component, high strength polymer modified, and fiber-reinforced repair mortar. Repair extra is a blend of dry powders, selected aggregate, and fibers which when mixed with water produces a thixotropic mortar suitable for vertical and overhead application.

Areas for use:

- 1- Repair of all types of structural concrete where high strength and extremely low shrinkage properties are required.
- 2- For the repair of vertical and overhead elements
- 3- As a repair mortar for all structural elements in buildings, water retaining structures, industrial plants, bridges, etc.

R1



### Repair 600

A non-shrinking thixotropic repair mortar with fibers which is also ready to use mortar mainly consists of sand (reconstituted grain size range) cement, Fiber sand special cement additives that provide special properties: non-shrinking, thixotropic, high strength, high adhesion, compactness: its very closed-grain size slows down carbonation. Areas for use:

1. Repair of concrete surfaces, honeycombing, edges of steps, and all types of load-bearing situations.
2. Restoring the structure of damaged construction: columns, slabs, vaults, mats, and dam overflows.
3. Reinforcing of weakened structures such as balconies, pedestals, and cornices.

R2



### Repair 300

Repair 300 is a single component polymer modified repair mortar for use as a fairing coat or cosmetic mortar. When mixed with water, as directed, a fine trowel able mortar results which can readily be applied to fill in pores, blowholes, and blemishes on a concrete surface. Quickstep R309 can be used as a skim coat prior to the application of protective coatings. Areas for use: To produce a uniform surface over repaired areas

- 1- Preparatory treatment to concrete to receive a thin film protective coating
- 2- As a fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, defects
- 3- caused by sand runs, patch repairs, shutter movement, and grout loss

R3



Repair 300



**Repair 900**



## Hardtop Repair

A dry shake, monolithic concrete floor hardener is a premixed dry shake floor hardener for concrete and screed floor. Is formulated from selected grade aggregate, cement, and special additives to provide a non-metallic, non-oxidizing, dense, and smooth surface with high abrasion and wear resistance.

Areas for use:

1. Parking areas, warehouses
2. Workshops, service stations.
3. Aircraft hangars.

**R4**



## Grout Repair HF

High flow non-shrink cementitious precision grout supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free-flowing precision grout for gap thickness up to 125mm. In addition, the low water requirement ensures high early strength and long term durability. Conbextra HF is a blend of portland cement, graded fillers, and chemical additives which impart controlled expansion in both the plastic and hardened states.

Areas for use:

1. Heavy-duty support beneath machine base plates
2. Machine beds, bridge bearings, and crane rails.
3. Suitable for pumping or pouring over a large range of application consistencies and temperatures

**R5**



# R1

## REPAIR EXTRA

ONE COMPONENT ,HIGH STRENGTH FIBER REINFORCED CEMENTITIOUS REPAIR MORTAR

### REPAIR

REPAIR EXTRA is a single component polymer modified and fiber reinforced repair mortar. REPAIR EXTRA is a blend of dry powders, selected aggregate and fibers which when mixed with water produces a throtrophic mortar suit-able for vertical and overhead application.

### APPLICATION

- Repair of all types of structure concrete where high strength and extremely low shrinkage properties are required
- For the repair of vertical and overhead elements
- As are pair mortar for all structural elements in buildings, water retaining structures, industrial plants, bridges, etc..

### ADVANTAGES

- Shrinkage controlled polymer modified cementations repair mortar.
- Easy to apply, single component, required only addition of water.
- Extremely low permeability to water, providing excel- lent production to steel reinforcements and host concrete.
- Thyrotrophic properties allowing extra high build for vertical and overhead application.
- Suitable for internal and external application.
- Water vapor permeable.
- Cost effective, hand applied no form-work is required.

### YIELD

Approximately 2m<sup>2</sup>/25 kg bag

### PACKAGE

REPAIR EXTRA is available in 25kg bags.

### STORAGE

REPAIR EXTRA has a shelf life of 12 months if stored at temperature between 2°C AND 50°C in original un opened bags. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

### TECHNICAL DATA

Appearance	grey powder containing micro fine fibers
Plastic density approx.	2300 kg/m <sup>3</sup>
Compressive strength at	>25N/mm <sup>2</sup> at1 day
20°C BS1881 :Part 116:	>70N/mm <sup>2</sup> at28days
Indirect tensile strength	3.6N/mm <sup>2</sup> at28days
Mixing ratio	6 liter of water for 25kg bag of repair extra

### CAUTIONS

#### Health and Safety:

REPAIR EXTRA may cause irritation to skin or eyes. In case of accidental contact with eyes. Immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire:

REPAIR EXTRA is nonflammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966126204224**

# R1

## REPAIR EXTRA

ONE COMPONENT ,HIGH STRENGTH FIBER REINFORCED CEMENTITIOUS REPAIR MORTAR

### METHOD OF USE

#### Substrate preparation:

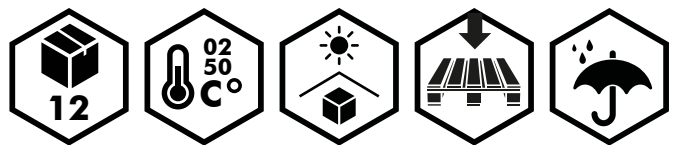
- All damaged and weak concrete should be cut back to reach sound concrete and or to minimum depth of at least 10mm.
- Corroded steel reinforcement should be grit blasted to remove all rust traces.
- In case of singlicant loss in the steel reinforcement crossection, the steel should be replaced.
- Remove all concrete form around exposed steel reinforcement by 10 mm thickness.
- The perimeters of the repair area should be saw cut to a minimum depth of 10 mm.
- The prepared area should be cleaned thoroughly by brush and/or compressed air.

#### Mixing:

- To ensure proper mixing, a mechanically powder mixer or drill fitted with suitable paddle should be used
- 6 liter of clean water should be added to clean container. The powder is then added to slowly to the water while mixing continuously with low speed mixer/drill (400-600rpm).mixing time should be continued for 3 minutes until uniform consistency is obtained.

### PLACING & FINISHING

- REPAIR EXTRA can be applied by trowel or hand. The mixed mortar should be applied using firm pressure to fully compact the mortar to ensure good adhesion with the steel reinforcement and the substrate. Finishing and leveling should be carried out initially by wooden or plastic float. Final finishing should be carried out using steel float.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# R2

## POLYWED 700

NON SHRINKING THIXOTROPIC REPAIR MORTAR WITH FIBER

### REPAIR

POLYWED 700 is ready to use mortar, mainly consists of sand (reconstituted grain size range) cement, Fiber sand special cement additives that provide special properties :non-shrinking, thixotropic, high strength, high adhesion, compactness : it's very closed grain size slows down carbonation.

### APPLICATION

- Application standards: ASTM C67 Non-shrinking
- Non-sweating High strength
- Normal setting and fast hardening sufficient strength after one day. High final strength, good resistance to sea water and to high sulfate water Thixotropic; It can therefore be applied thickly, in concrete repair,

#### Can Be Applied:

- With a trowel
- By dry spraying.
- By wet spraying.
- By pumping.

### SCOPE OF USE

Repair of concrete surfaces, spalling, honey- combing, edges of steps,. Restoring the struc- ture of damages construction, columbs, slaps, vault, mats and dam over flows. Reinforcing of weakened structures such as balconies, pedes- tals, corices,...etc.

### PACKAGING

Approximately 2m<sup>2</sup>/25 kg bag

### PACKAGE

POLYWED R700 is available in 20 kg packs.

### CAUTION

#### Health and Safety:

As with all chemicals products, caution should always be exercised and protective clothing, such as gloves and goggles, should be worn POLYWED 700 may cause irritation to skin or eyes. In case of accidental contact with eyes. Immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire:

POLYWED 700 is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 0096626204224**

### CHARACTERISTIC & CHEMICAL COMPOSITION

Appearance	Grey Powder Powder
Density	1.28
Activeing redients	hydraulic binders,synthetic fibers, without any chlorides or metal particles
Grain size	0 to 2.5mm
Mixing water	8 litres per 20 kg bag
Yield	20 kg Powder Cover 2.5 m2
Mortar density	2.2
PH	12
Thickness	5 to 50 mm in one coat
Compressive trength	>40N/mm2 at 28 days.
Flexural Strength	>7N/mm2 at 28 days
Adhesion	0.8N/mm2 at 28 days



# R2

## POLYWED 700

NON SHRINKING THIXOTROPIC REPAIR MORTAR WITH FIBER

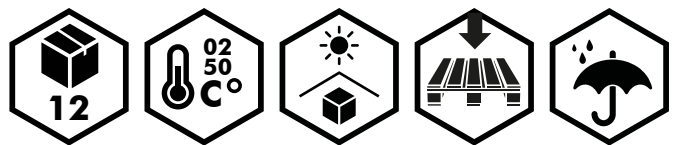
### INSTRUCTIONS FOR USE

#### Preparing Mortar:

Make a liquid mixture or mortar by mixing POLYWED 700 with clean water. The amount of water to be used, depends on the desired fluidity or workability, to make a slurry mix with a power drill mixer with a high speed of rotation to make a mortar, mix the product with a concrete mixture or in trough, with a trowel, mixing must be continued for at least 3 minutes until a homogeneous paste is obtained, POLYWED 700 must be used within one hour from mixing and extra amount of water is forbidden.

#### SUBSTRATE PREPARATION:

Remove damaged concrete and laitance by scabbing with a pick, cold chiseling, or running a concrete plane to get a sound, rough surface. The area must be surround by clean edges. Do not feather edges, the surface must also be free from any trace of grease or oil. Brush or scrape corroded steel with a metal brush, or sand it to remove all rust particles. If possible, remove concrete from back of reinforcing rods to be able to coat them. Remove dust from all surfaces to be fixed brush. Saturate the surface with water by copiously spraying just before application and if possible 6 hours before application as well.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# R3

## REPAIR 300

SINGLE COMPONENT POLYMER MODIFIED FAIRING COAT. COSMETIC MORTAR FOR CONCRETE SURFACES

### REPAIR

REPAIR 300 is a single component acrylic polymer modified repair mortar for use as a "fairing coat" or cosmetic mortar. When mixed with water, as directed, a fine grey trowel lable mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface.

### DESCRIPTION

REPAIR 300 is a single component acrylic polymer modified repair mortar for use as a "fairing coat" or cosmetic mortar. When mixed with water, as directed, a fine grey trowel lable mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface.

REPAIR 300 can be used as a skim coat prior to the application of protective coatings. REPAIR 300 is specially formulated to produce a shrinkage compensating mortar with no cracking when applied in a thin section. Adhesion to concrete and flexibility are excellent.

### PRIMARY USES

- Precision made, consistent results.
- Requires only the addition of water.
- Shrinkage compensating.
- Excellent adhesion to concrete.
- Flexible.
- Smooth, easily produced finish.
- Low permeability
- Excellent resistance to freeze/thaw action and carbon- ation.
- Ingress of water borne salts, such as chloride and atmospheric/ chemical attack.
- Subsequent paint coats can be applied with greater economy.

### ADVANTAGES

- Precision made, consistent results.
- Requires only the addition of water.
- Shrinkage compensating.
- Excellent adhesion to concrete.
- Flexible.
- Smooth, easily produced finish.
- Low permeability
- Excellent resistance to freeze/thaw action and carbon- ation.
- Ingress of water borne salts, such as chloride and atmospheric/ chemical attack.
- Subsequent paint coats can be applied with greater economy.

### TYPICAL PROPERTIES

Density	1700kg/m <sup>3</sup>
Compressive strength at 28 days	27 N / mm <sup>2</sup>

### APPLICATION

REPAIR 300 should be applied to the complete area with the minimum of troweling. Leave for a short period before final troweling. Finishing may be aided by flicking a small amount of water on to the surface, using a paint brush before final troweling. When used as a "scrape coat" REPAIR 300 can be applied with a brush or roller and then the excess scraped off with the edge of a steel float. In this way blow holes and minor blemishes in an otherwise fair faced concrete can be hidden.

### CURING

Good curing practice is essential even though REPAIR 300 is specially formulated to prevent shrinkage and cracking. Particular care is required in hot and windy conditions.

### PREPARATION

It is essential that the surfaces to be bonded are sound, clean and uncontaminated. All loose powdering material must be removed. Concrete surfaces should be thoroughly soaked prior to application of REPAIR 300, to ensure a saturated, but surface dry condition.

### VOID FILLING

Deeper voids should be filled prior to the application of a cosmetic coating by reducing the amount of water added when mixing to produce a trowel able putty like mortar.

### MIXING

REPAIR 300 is formulated to give an easily mixed material. For full bag quantities, it is preferable to mix the material in a Crete angle or similar forced action mixer. Alternatively, as low speed, hand held electric mixer with a suitable paddle can be used. Over mixing should be avoided. The powder should be placed in the mixing vessel and mixing commenced. Clean water should be slowly added up to the recommended maximum or until the required consistency is achieved. No more than 8 liters of water per 20 kg of REPAIR 300 should be added.

# R3

## REPAIR 300

SINGLE COMPONENT POLYMER MODIFIED FAIRING COAT.COSMETIC MORTAR FOR CONCRETE SURFACES

### COVERAGE

One 20 kg bag of REPAIR 300 will Cover approximately 10 m<sup>2</sup>.

### EQUIPMENT CARE

Tools should be washed with water immediately after use.

### STORAGE

Store out of direct sun light,clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult POLYWED Technical Services Department.

### PACKAGING

REPAIR300 is supplied in 20 kg bags.

### CAUTIONS

#### Health and Safety:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and food stuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention .Reseal containers after use. Use in well ventilated areas and avoid inhalation.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966126204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.

**Page 2 of 2**



# R4

## HARDTOP

DRY SHAKE, MONOLITHIC CONCRETE FLOOR HARDENER

### REPAIR

HARD TOP is a premixed dry shake floor hardener for concrete and screed floor. HARD TOP is a formulated from selected grade aggregate, cement and special additives to provide a non-metallic, non-oxidizing, dense and smooth surface with high abrasion and wear resistance.

### APPLICATION

- Parking areas.
- Ware houses.
- Work shops.
- Service stations.
- Air craft hangars

### ADVANTAGES

- High resistance to wearing and abrasion.
- Easy to apply.
- Provides monolithic floor.
- Non metallic floor hardener.
- Premixed, ready to use.
- Reduces surface dust.

### CONCRETE LIMITATIONS

The following concrete limitations & properties should be considered to obtain hard concrete surface with high abrasion resistance:

- W/C ratio should be less than 0.5
- Concrete slump should be between 75mm and 100mm.
- Cement content should be more than 300kg/m<sup>3</sup>.
- Entrained air should be less than 3%.
- Proper concrete compaction and leveling is a must.

### TYPICAL PROPERTIES

Property	Free flowing powder
Average rate of abrasion (dry abrasion machine)	0.24 gms/min
Chemical resistance	medium to low
curing	required
Color	grey

### CLEANING

All tools should be cleaned immediately after finishing by water.

### STORAGE

HARD TOP shelf life is 12 months is stored at dry conditions and temperature within 2 °C to 50 °C. If these conditions are exceeded in any respect, POLY- WED technical department should be contacted for advice.

### PACKAGING

HARD TOP is available in 25 kg bags.

### CAUTIONS

#### Health and Safety:

As HARD TOP contains Portland cement, HARD TOP may cause irritation to skin or eyes, immediately flush with plenty of water and seek medical advice if necessary. Consult material safety data sheet for more information.

#### Fire:

HARD TOP is nonflammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 0096626204224**

# R4

## HARDTOP

DRY SHAKE, MONOLITHIC CONCRETE FLOOR HARDENER

### METHOD OF USE

- The right time to spread the HARDTOP on concrete surface is when light foot traffic leaves print of about 3-6mm.
- Any bleed water still present should be removed.
- Spread two thirds of the required quantity of HARD TOP on to the concrete surface and allow the material to absorb moisture from concrete.
- First floating application should start, when a uniform dark color appears (indicating material is wet).
- Either mechanical or manual floating can be used depending on a ratio be floated and the required finish.
- Apply the remaining quantity of HARDTOP evenly and wait until material becomes wet (darker in color) before floating.
- Use a power trowelling machine to make the final finish.
- Any wetting of the first or second application of HARDTOP with water addition will affect the overall quality of the floor.
- Proper curing should be maintained to the floor surfaces as soon as the surfaces is set and is not be marred by the curing method.

### TIMING OF APPLICATION

- Timing of HARD TOP application is critical.
- Adequate machinery ,labor and material should be available to complete the whole are a while sufficient concrete moisture is available.
- Applying HARD TOP before or after the proper application time can seriously affect the quality of the concrete floor finish.

### APPLICATION RATE

HARDTOP should be applied at the following rates:

Normal rate: 3 to 5 kg/m<sup>2</sup>  
Heavy duty floors: 5 to 7 kg/m<sup>2</sup>



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# R5

## POLYGROUT HF

High Flow Non-Shrink Cementitious Precision Grout

### GROUT

POLYEXTRA HF is a cementitious, pre-mixed, pre-packed chloride and hydrogen free, high flow, pourable grout. It contains cement, selected additives, well graded and non-reactive aggregates and is designed to give excellent flow properties, shrinkage compensation, frost resistance, and high compressive strength.

### APPLICATION

POLY Grout HF is ideally designed for use in the following application:

- Machine beds.
- Bridge bearing pads and plinths.
- Pile cap reprofiling.
- Under machinery base plates, crane rails, stanchion plates etc.
- Anchoring of tie bars, bolts, and stressing cables.
- Under pinning.

### ADVANTAGES

- Non-shrink grout that has dual expansion properties to compensate for shrinkage in both the plastic and hardened stage.
- Extremely dense and low permeability.
- High early strength development allowing for rapid installation.
- High flow can be poured or pumped into variable installation.
- Easy to apply, single component which require only addition of water.

### STANDARDS

POLY Grout HF complies with Scorp's of engineers specifications CRD-C621-82A and ASTM C1107-91, TYPE C.

#### Thicknesses and size limitations:

- POLY Grout HF can be applied in a single layer at thicknesses between 10-100mm. For greater thicknesses, an 8-12 mm washed aggregate should be added at a ratio of 15 kg of washed aggregate to 25 kg of POLY Grout HF

### TYPICAL PROPERTIES

Typical properties @ 3.5 liter/25 kg and a temperature of 25 °C.

Compressive strength: To BS1881:part116*	≥46mpa@7days ≥61mpa@28days
--	-------------------------------

Color	Grey
-------	------

Setting time to BS4550: Initial@25 °C	Approx5-6hours.
---------------------------------------	-----------------

Final@25 °C	Approx7-8hours.
-------------	-----------------

Expansion characteristics: To ASTM C827-87	≤2%
--	-----

Flow characteristics (efflux time) to ASTM C939-87	25-35second
--	-------------

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials can be cleaned mechanically.

### STORAGE

POLY Grout HF shelf life is 12 months if stored at temperature between 2 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

### PACKAGING

POLY Grout HF is available in 25kg bags.

### NOTES

- At low temperature (below 8 °C), warm water is recommended to achieve the early strength. And the formwork is recommended to be kept longer time.
- At high temperature (40 °C and above), cold water (less than 20 °C) must be used for mixing.



# R5

## POLYGROUT HF

High Flow Non-Shrink Cementitious Precision Grout

### METHOD OF USE

#### Substrate preparation:

- The substrate should be sound, clean and free from contamination. Surface laitance should be removed by acid etching.
- All surfaces should be presoaked with clean water for a minimum of 4 hours prior to grouting.

### MIXING

- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- Depending on the consistency required, the addition of 3.5 liters of clean water should be added to a clean container. The 25 kg powder is then added slowly to the water while mixing continuously with a low speed mixer /drill (400-600rpm).
- Mixing should be continued for 3 minutes until a uniform consistency is obtained.

### PLACING & FINISHING

#### Underbase plate:

Enough material should be available to achieve a continuous fill and to complete the work. Pouring of the mixed grout should be started from one side only to distance, a side shutter feed between 100 mm to 250 mm high should be erected and used to build the required head.

#### Formwork:

As the mixed grout possesses high fluidity characteristics, all formwork and shutters should be watertight. This can be obtained by using an appropriate mastic. The unrestrained areas should be kept to a minimum due to the expansive nature of POLY Grout HF.

### CURING

Since POLY Grout HF is a cementitious material, it should be treated in a manner similar to concrete. Curing can be conducted by either using concrete curing compound.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# PRODUCT Bonding Agents

Polywed specialises in manufacturing the highest quality of Bonding Agents; our area of expertise is the two main bonding agents, the SBR Bonding Agent, and the PVA bonding agent. Polyweds SBR and SBR Plus bonds are a dispersion polymer of carboxylated styrene-butadiene copolymer. Used extensively in the building industry for the modification of cementitious systems, such as mortars, render, screeds, etc. Our PVA bond is a multi-purpose bonding agent, primer, sealer, cement, and plaster admixture that adheres to the most common needs of the construction industry.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- ◆ B1 - PVA Bond
- ◆ B2 - PVA Bond Pure
- ◆ B3 - SBR Bond
- ◆ B4 - SBR Bond Plus
- ◆ B5 - SBR Bond Pure
- ◆ B6 - Bond 770





## BONDING



### PVA Bond

A general purpose PVA bonding agent, primer, sealer and admixture. Polyweds PVA bond is a medium viscosity, polyvinyl alcohol stabilized, externally plasticised, vinyl acetate homopolymer that is designed specifically for use in the building industry as a general-purpose bonding agent, and additive for concrete and plasters and as a multi-use adhesive.

Areas for use:

- 1- As an admixture for mortar/screeds/renders. As a bonding agent for screeds/renders to difficult substrates.
- 2- As a primer/sealer in tiling applications.
- 3- As a general-purpose adhesive for wood, cork, paper, etc.

B1



### PVA Bond Pure

Polybond PVA Pure is a concentrated solution of polyvinyl acetate and based on polyvinyl alcohol suspension used as a surface sealer, bonding agent and admixture for cement and mortar.

Areas for use:

- 1- Used as an Adhesive and Sealer: When added with suitable filler, it can be used for fixing plasterboard, ceramic tiles, marbles etc. Moreover, this product can be used as a surface sealer for concrete and floors to minimize the dusting and penetration of oils. It can be used as an effective primer on certain decorative coatings
- 2- Used as a Bonding Agent: gives mortars, especially topping mortars enhanced bond strength. The wear resistance of screed treated with Polybond PVA is improved than that of a conventional sand and cement screed.
- 3- Used as an Admixture: due to its plasticizing effect which improves mortar application, increases the mechanical strength of screeds and renders, reduces shrinkage and has perfect adhesion even on smooth concrete

B2



### SBR Bond

SBR Bond is a latex based, water resistant bonding agent and admixture for use in areas subject to humidity, dampness and continuous water contact. It improves water resistance of cement mixtures by forming a reinforcing polymer that increases long-term durability and flexibility of the mix on renderings and floor screeds.

Areas for use:

- 1- Bonding of new to old concrete when used as a slurry coat. Moreover, this product is used to produce polymer modified screeds and floor toppings and waterproof renders
- 2- To produce a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- 3- To produce a repair mortar for patching of honeycombed concrete, internally and externally

B3



### SBR Bond Plus

SBR Bond Plus is a concentrated latex based solution that acts as a water resistant bonding agent and admixture for use in areas subject to humidity, dampness and continuous water contact. It improves water resistance of cement mixtures by forming a reinforcing polymer that increases long-term durability and flexibility of the mix on renderings and floor screeds.

Areas for use:

- 1- Bonding of new to old concrete when used as a slurry coat. Moreover, this product is used to produce polymer modified screeds and floor toppings and waterproof renders
- 2- To produce a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- 3- To produce a repair mortar for patching of honeycombed concrete, internally and externally

B4



**SBR Bond**

## SBR Bond Pure



SBR Bond Pure is a highly concentrated latex based solution that acts as a water resistant bonding agent and admixture for use in areas subject to humidity, dampness and continuous water contact. It improves water resistance of cement mixtures by forming a reinforcing polymer that increases long-term durability and flexibility of the mix on renderings and floor screeds.

Areas for use:

- 1- Bonding of new to old concrete when used as a slurry coat. Moreover, this product is used to produce polymer modified screeds and floor toppings and waterproof renders.
- 2- To produce a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- 3- To produce a repair mortar for patching of honeycombed concrete, internally and externally.

**B5**

## Bond 770



A commercial bonding agent for cementitious materials. It is a water based, specially formulated to enhance bonding properties as well as improve mechanical strengths of cementitious mixes when incorporated with mixing water.

Areas for use:

- 1- Bonding of new to old concrete when used as a slurry coat, floor toppings, and waterproof renders.
- 2- To produce a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- 3- To produce a repair mortar for patching of honeycombed concrete, internally and externally.

**B6**





# B1

## POLY BOND PVA

PVA BONDING AGENT FOR CEMENT MIXES AND CONCRETE REPAIRS

**BOND** **CEMENT MIX** **CONCRETE REPAIRS**

POLY BOND PVA is a single component PVA based, white viscous liquid, specially formulated for use as a multi-purpose adhesive and a bonding agent for cement mixes and as an admixture for mortars.

### APPLICATION

POLY BOND PVA is ideally designed for use as multi-purpose adhesive in cement base mixes and as primer and integral bonding agent for concrete. Ideal for priming surfaces prior to plastering or painting. Use as an admixture in cement/sand and granolithic screeds.

### ADVANTAGES

- Single component, easy to use.
- High bond strength provides excellent adhesion when used as bonding agent for cement based mixes.
- No chloride admixtures.
- Improves renders and mortars durability. Color go to clear when dries.
- Concentrated which make it economical.

### COVERAGE

Bonding agent: 16m<sup>2</sup> when diluted 1 to 1 Sealer coat: 25m<sup>2</sup> when diluted 1 to 4  
 Admixture: 20-25 L/100Kg Cement depending on use.

### CLEANING

All tools should be cleaned immediately after finish- ing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLY BOND PVA is available in 20 Kg and 200Kg drums.

### STORAGE

POLY BOND PVA shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

### TECHNICAL PROPERTIES

Appearance:	White viscous liquid
PH:	4-5
Specific gravity@25 °C:	1.0-1.05
Stability:	Stable in alkaline conditions
Compatibility:	Compatible with all types of Portland cement

### CAUTION

#### Health and Safety:

POLY BOND PVA is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protection should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLY BOND PVA is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**



# B1

## POLY BOND PVA

PVA BONDING AGENT FOR CEMENT MIXES AND CONCRETE REPAIRS

### METHOD OF USE

#### Substrate preparation:

Where POLY BOND PVA should be used, the substrate should be sound, clean and free contamination. Surface laitance should be removed by light scabbling or grit blasting.

#### Application:

General purpose bonding agent Strong adhesive form any substrates such as bricks, carpets, stone, tiles and wood may types. Apply a thin film of POLY BOND PVA over the prepared sides to be adhered together, allow coming thick and tacky, then press parts to each other and allow curing for approximately one day.

#### Cement screeds and plasters bonding agent:

Porous surfaces should be sealed using diluted POLY BOND PVA (1 part POLY BOND PVA to 4 parts water) which should be brushed vigorously into the prepared surfaces making sure to fill all pores and voids and allow it to get dry. Apply Diluted POLY- BOND PVA(1 part POLY BOND PVA to 1 part water) to the sealed surface using a brush. Make sure to apply the plaster or repair mortar whilst the applied coating is still tacky.

#### Sealer coat and dust proofing:

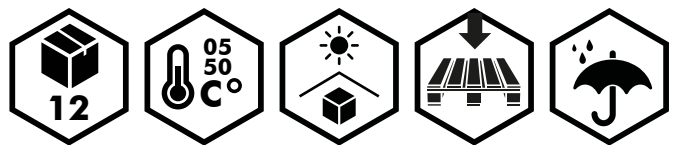
Diluted POLY BOND PVA(1part POLY BOND PVA to 4 parts water)should be applied by brush over the target surface and allowed to dry. Note: for porous surfaces other coat should be applied to assure appropriate seal.

#### Admixture in cement/ sand screeds:

Use it as an admixture in cement/ sand screeds in both light traffic and heavy traffic areas. Supposed mixes is as the following:

COMPONENT	LIGHTTRAFFIC	HIGHTRAFFIC
Cement	100	100
Sand	300	100
Granite(4-6mm)	-	200
POLY BOND PVA	20	25

Prime the prepared surface with diluted POLY BOND PVA(1 part POLYBOND PVA to 4 parts water). The dry components should be mixed together. Add water to the mix to achieve a semi dry mix and then add the POLY BOND PVA and mix, more water could be added to achieve the required workability. Lay the mix on the tacky primed surface, tamp it and smooth it using trowels.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# B2

## POLY BOND PVA PURE

PVA BONDING AGENT FOR CEMENT MIXES AND CONCRETE REPAIRS

**BOND** **CEMENT MIX** **CONCRETE REPAIRS**

POLY BOND PVA PURE is a single component PVA based, white viscous liquid, specially formulated for use as a multi-purpose adhesive and a bonding agent for cement mixes and as an admixture for mortars.

### APPLICATION

POLY BOND PVA is ideally designed for use as multi-purpose adhesive in cement base mixes and as primer and integral bonding agent for concrete. Ideal for priming surfaces prior to plastering or painting. Use as an admixture in cement/sand and granolithic screeds.

### ADVANTAGES

- Single component, easy to use.
- High bond strength provides excellent adhesion when used as bonding agent for cement based mixes.
- No chloride admixtures.
- Improves renders and mortars durability. Color go to clear when dries.
- Concentrated which make it economical.

### COVERAGE

Bonding agent: 16m<sup>2</sup> when diluted 1 to 1 Sealer coat: 25m<sup>2</sup> when diluted 1 to 4  
 Admixture: 20-25 L/100Kg Cement depending on use.

### CLEANING

All tools should be cleaned immediately after finish- ing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLY BOND PVA is available in 20 Kg and 200Kg drums.

### STORAGE

POLY BOND PVA shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

### TECHNICAL PROPERTIES

Appearance:	White viscous liquid
PH:	4-5
Specific gravity@25 °C:	1.0-1.05
Stability:	Stable in alkaline conditions
Compatibility:	Compatible with all types of Portland cement

### CAUTION

#### Health and Safety:

POLY BOND PVA is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protection should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLY BOND PVA is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**

# B2

## POLY BOND PVA PURE

PVA BONDING AGENT FOR CEMENT MIXES AND CONCRETE REPAIRS

### METHOD OF USE

#### Substrate preparation:

Where POLY BOND PVA should be used, the substrate should be sound, clean and free contamination. Surface laitance should be removed by light scrubbing or grit blasting.

#### Application:

General purpose bonding agent Strong adhesive form any substrates such as bricks, carpets, stone, tiles and wood may types. Apply a thin film of POLY BOND PVA over the prepared sides to be adhered together, allow coming thick and tacky, then press parts to each other and allow curing for approximately one day.

#### Cement screeds and plasters bonding agent:

Porous surfaces should be sealed using diluted POLY BOND PVA (1 part POLY BOND PVA to 4 parts water) which should be brushed vigorously into the prepared surfaces making sure to fill all pores and voids and allow it to get dry. Apply Diluted POLY- BOND PVA(1 part POLY BOND PVA to 1 part water) to the sealed surface using a brush. Make sure to apply the plaster or repair mortar whilst the applied coating is still tacky.

#### Sealer coat and dust proofing:

Diluted POLY BOND PVA(1 part POLY BOND PVA to 4 parts water)should be applied by brush over the target surface and allowed to dry. Note: for porous surfaces other coat should be applied to assure appropriate seal.

#### Admixture in cement/ sand screeds:

Use it as an admixture in cement/ sand screeds in both light traffic and heavy traffic areas. Supposed mixes is as the following:

COMPONENT	LIGHT TRAFFIC	HIGH TRAFFIC
Cement	100	100
Sand	300	100
Granite(4-6mm)	-	200
POLY BOND PVA	20	25

Prime the prepared surface with diluted POLY BOND PVA(1 part POLYBOND PVA to 4 parts water). The dry components should be mixed together. Add water to the mix to achieve a semi dry mix and then add the POLY BOND PVA and mix, more water could be added to achieve the required workability. Lay the mix on the tacky primed surface, tamp it and smooth it using trowels.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# B3

## POLY BOND SBR

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

**BOND** **CEMENT MIX**

POLYBOND SBR is a single component styrene butadiene rubber latex. It is designed to improve the physical properties of cement mixes and slurries.

### APPLICATION

POLYBOND SBR is ideally designed for use in the following applications:

- Bonding of new to old concrete when used as a slurry coat.
- To produce polymer modified screeds and floor topping.
- Bonding of thin polymer modified screeds and or toppings to old substrate.
- To provide a mechanically key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- To produce a repair mortar for patching of honey cubed concrete, internally and externally.
- To produce water-proof renders.

### ADVANTAGES

Effectively increases the bonding/ adhesion of cement mixes.  
 Excellent water proof additives which helps produce water-proof renders, screed and toppings.  
 Effective plasticizer, giving improved workability and cohesion.  
 Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths. Reduces shrinkage and cracking in repair and screening mixes.  
 Good freeze / thaw resistance. Chloride free.

### CAUTION

#### Health and Safety:

POLYBOND SBR is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protections should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLYBOND SBR is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**

### TECHNICAL PROPERTIES

Specific gravity @25 °C:	Around 1
Color:	Milky White liquid
Solid Content	20-25 %
PH	9
Solubility	Soluble in water
Chloride content	Nil

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLYBOND SBR is available in 4 litre , 20 litre and 1000 Lit. drums.

### STORAGE

POLYBOND SBR shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

# B3

## POLY BOND SBR

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

### METHOD OF USE

#### Substrate preparation:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by acid etching. For patch repair, cut back the edges of the repair areas to a minimum of 10mm depth to avoid thin repair thicknesses.

All substrate should be damped with water prior to commencing the repair. Exposed steel reinforcement should be grit blasted or wired brushed to a bright finish and protected with epoxy poly zincrich.

#### Mixing:

Bonding agent:

The recommended mix to produce slurry consistency can be achieved by mixing, by volume, 2 POLYBOND SBR: 3 OPC cement. Use a stiff brush to apply a thick coat to damp surfaces. Application of the subsequent application, roughen the dry coat before applying a further coat.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# B4

## POLY BOND SBR PLUS

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

**BOND CEMENT MIX**

POLYBOND SBR PLUS is a single component styrene butadiene rubber latex. It is designed to improve the physical properties of cement mixes and slurries.

### APPLICATION

POLYBOND SBR PLUS is ideally designed for use in the following applications:

- Bonding of new to old concrete when used as a slurry coat.
- To produce polymer modified screeds and floor topping.
- Bonding of thin polymer modified screeds and or toppings to old substrate.
- To provide a mechanically key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- To produce a repair mortar for patching of honey cubed concrete, internally and externally.
- To produce water-proof renders.

### ADVANTAGES

Effectively increases the bonding/ adhesion of cement mixes.  
 Excellent water proof additives which helps produce water-proof renders, screed and toppings.  
 Effective plasticizer, giving improved workability and cohesion.  
 Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths. Reduces shrinkage and cracking in repair and screening mixes.  
 Good freeze / thaw resistance. Chloride free.

### CAUTION

#### Health and Safety:

POLYBOND SBR is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protections should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLYBOND SBR is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**

### TECHNICAL PROPERTIES

Specific gravity @25 °C:	Around 1
Color:	Milky White liquid
Solid Content	40-43 %
PH	9
Solubility	Soluble in water
Chloride content	Nil

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLYBOND SBR PLUS is available in 4 litre , 20 litre and 1000 Lit. drums.

### STORAGE

POLYBOND SBR PLUS shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.



# B4

## POLY BOND SBR PLUS

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

### METHOD OF USE

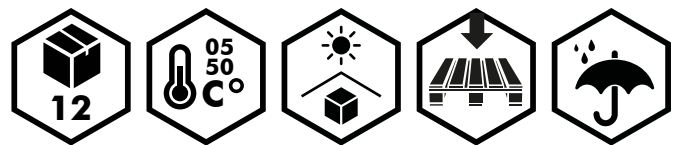
#### Substrate preparation:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by acid etching. For patch repair, cut back the edges of the repair areas to a minimum of 10mm depth to avoid thin repair thicknesses. All substrate should be damped with water prior to commencing the repair. Exposed steel reinforcement should be grit blasted or wired brushed to a bright finish and protected with epoxy poly zincrich.

#### Mixing:

Bonding agent:

The recommended mix to produce slurry consistency can be achieved by mixing, Mixing 10 Kg from SBR Plus to 200 Lit. water and adding to the cement mixture till make a homogeneous slurry. Use a stiff brush to apply a thick coat to damp surfaces. Application of the subsequent application, roughen the dry coat before applying a further coat.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# B5

## POLY BOND SBR PLUS

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

**BOND CEMENT MIX**

POLYBOND SBR PLUS is a single component styrene butadiene rubber latex. It is designed to improve the physical properties of cement mixes and slurries.

### APPLICATION

POLYBOND SBR PLUS is ideally designed for use in the following applications:

- Bonding of new to old concrete when used as a slurry coat.
- To produce polymer modified screeds and floor topping.
- Bonding of thin polymer modified screeds and or toppings to old substrate.
- To provide a mechanically key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- To produce a repair mortar for patching of honey cubed concrete, internally and externally.
- To produce water-proof renders.

### ADVANTAGES

Effectively increases the bonding/ adhesion of cement mixes.  
 Excellent water proof additives which helps produce water-proof renders, screed and toppings.  
 Effective plasticizer, giving improved workability and cohesion.  
 Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths. Reduces shrinkage and cracking in repair and screening mixes.  
 Good freeze / thaw resistance. Chloride free.

### CAUTION

#### Health and Safety:

POLYBOND SBR is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protections should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLYBOND SBR is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**

### TECHNICAL PROPERTIES

Specific gravity @25 °C:	Around 1
Color:	Milky White liquid
Solid Content	40-43 %
PH	9
Solubility	Soluble in water
Chloride content	Nil

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLYBOND SBR PLUS is available in 4 litre , 20 litre and 1000 Lit. drums.

### STORAGE

POLYBOND SBR PLUS shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

# B5

## POLY BOND SBR PLUS

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

### METHOD OF USE

#### Substrate preparation:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by acid etching. For patch repair, cut back the edges of the repair areas to a minimum of 10mm depth to avoid thin repair thicknesses. All substrate should be damped with water prior to commencing the repair. Exposed steel reinforcement should be grit blasted or wired brushed to a bright finish and protected with epoxy poly zincrich.

#### Mixing:

Bonding agent:

The recommended mix to produce slurry consistency can be achieved by mixing, Mixing 10 Kg from SBR Plus to 200 Lit. water and adding to the cement mixture till make a homogeneous slurry. Use a stiff brush to apply a thick coat to damp surfaces. Application of the subsequent application, roughen the dry coat before applying a further coat.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.

# B6 Datasheet

# B6 Datasheet



## PRODUCT Water Proofing systems

No matter where you find the impact of moisture, whether it's the basement or all the way to the roof, Polywed waterproofing products, and solutions are used in residential, industrial buildings, commercial centers, structural or civil engineering. Our Company is an expert in providing a seamless waterproofing solution to avert the infiltration of water in any form. Our broad portfolio of waterproofing products guarantees long-lasting results across all application areas.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- W1 - Roof Coat
- W2 - Roof Coat Plus
- W3 - Poly flex
- W4 - Acrylic Sealant
- W5 - Poly Asuka
- W6 - Poly Asuka Plus
- W7 - Poly Plug
- W8 - Sealing slurry
- W9 - Bond 9000
- W10 - Bond 9000 Pure
- W11 - Buitmen







# WATERPROOFING



## Roof Coat

Roofcoat is a semifluid acrylic with polymer resins. Once applied in a thick coat, it provides a flexible waterproof membrane for pitched roofs and facades allowing the product to follow the expansion and tension cycles of the substrates in addition and durable coating which is resistant to UV and other weathering agents..

### Areas for use:

- 1- Waterproof coating for sloped roofs and vertical walls.
- 2- Waterproof coating over existing terrazzo tiles.
- 3- Waterproof and protective coating over roof polyurethane foam.

W1



## Roofcoat Plus

Roofcoat Plus is a concentrated semifluid acrylic with polymer resins. Once applied in a thick coat, it provides a high quality and durable flexible waterproof membrane for pitched roofs and facades allowing the product to follow the expansion and tension cycles of the substrates in addition and durable coating which is resistant to UV and other weathering agents.

### Areas for use:

- 1- Waterproof coating for sloped roofs and vertical walls.
- 2- Waterproof coating over existing terrazzo tiles.
- 3- Waterproof and protective coating over roof polyurethane foam.

W2



## Polyflex

A two-component, flexible waterproofing slurry consisting of a cement-based powder mortar (component A) and an emulsion resin (component B). Polyflex dries to a tough flexible layer of modified cement with excellent waterproofing properties.

### Areas for use:

- 1- Waterproofing of potable water reservoirs, both interior, and exterior
- 2- Waterproof coating for roofs, concrete water tanks, lift well, inspection pits, swimming pools spillways, bathrooms, kitchens, and other wet areas.
- 3- Waterproof lining for water retaining structures, in addition, to be used as a backing to tiles, mosaic, and marble to prevent water absorption

W3



## Acrylic Sealant

A general-purpose, flexible sealant that is used for caulking, grouting, jointing, and embedding in building construction. Suitable for interior and exterior use it resists cracking and gives a smooth finish.

### Areas for use:

- 1 Used for caulking, jointing and filling cracks and gaps
- 2- Provides protection to various surfaces from dust and insects that may come through that gap
- 3- The fact that it is an over paintable material makes Polywed's Acrylic Sealant ideal for interior and exterior decoration and use.

W4



## Poly Asuka

Polywed's Asuka is a general-purpose waterproofing powder admixture used to increase the water repellence of render, mortar, and concrete. By increasing the water repellence and maintaining the vapor permeability of a mix, there is lower water absorption, lower risk of efflorescence, and staining and higher durability.

### Areas for use:

- 1- Rendering base coats and reduces the suction to allow easier application of following render coats.
- 2- Waterproofing of precast concrete and waterproofing of cement plasters
- 3- Concrete and mortars in regular contact with water

W5



**Roof Coat**



## WATERPROOFING



### Poly Asuka Plus

Asuka Plus is an easy to use liquid waterproofing admixture that improves the waterproofing properties and workability of cement mixes and lasts as long as the life of the structure.

Areas for use:

- 1- For all structures that are in constant contact with water such as water reservoirs, basement, seawater, and underground water tanks.
- 2- Enhance waterproofing characteristics of plaster, screeds, toppings and other concrete substrates
- 3- Concrete and mortars in regular contact with water

W6



### Poly Plug

Poly Plug is a fast setting and easy to use cementitious mortar for rapid patching and plugging of water leaks in the concrete structure. This product only requires the addition of water and has excellent bonding and adhesion to concrete

Areas for use:

- 1- Used for patching water leaks in concrete structures
- 2- Used for patching tunnel lining, sewage plants, basement, and water tanks,
- 3- Used for patching concrete foundations and various concrete segments

W7



### Sealing Slurry

Polywed's sealing slurry is a single component cement-based waterproof coating that acts as an insulator and preventive of leakage and stops the effect of high humidity on walls and gypsum board. This product is a ready to use mixture of cement and non-toxic chemicals, which makes this product suitable to be used in places designated for drinking water

Areas for use:

- 1- external coating on vertical, underground, and immersed construction:
- 2- Used for areas of humidity such as complete watertight departments, immersed cellars, lift holes and car parking
- 3- Waterproofing of tunnel galleries, swimming pools, and waterproofing under tiles and a coating on expanded polystyrene.

W8



### Bond 9000

A water based water repellent that effectively treats exterior surfaces including masonry, brick, concrete, natural and reconstituted stone to protect against penetrating damp. It is fast-acting product based on silanes and siloxanes that allows treated surfaces to "breathe". Areas for use:

- 1- Treated surfaces "breathe" – as this product does not trap moisture and is suitable for interior and exterior use
- 2- cement screed or concrete floors can be treated to consolidate and bind friable, porous surfaces and produce a dust free, breathable micro-porous seal.
- 3- Mineral substrates treated with Polywed's Water Repellent are especially characterized by an excellent beading effect.

W9



### Bond 9000 Pure

A concentrated and high performance water based water repellent that effectively treats exterior surfaces including masonry, brick, concrete, natural and reconstituted stone to protect against penetrating damp. It is fast-acting product based on silanes and siloxanes that allows treated surfaces to "breathe".

Areas for use:

- 1- Treated surfaces "breathe" – as this product does not trap moisture and is suitable for interior and exterior use
- 2- Provides water repellence to limestone, marble, and travertine, as well as adjacent masonry
- 3- Protects new or existing mortar and grout joints

W  
10





**Bitumen**



## Bitumen

Poly Bitumen is a solvent-free paste consisting of selected water-emulsified bitumen's, special fine-graded aggregates and admixtures, manufactured according to a formula developed by Polywed's Saudi Research & development laboratories.

Areas for use:

- 1- Waterproofing foundations and bearing walls in addition to cold waterproofing of masonry, or concrete
- 2- Waterproofing flat or curved surfaces on structures below ground level, such as man-made tunnels and underpasses.
- 3- Waterproofing horizontal concrete structures below screeds isolated with PE sheets

W  
11



## Deck Seal 2000

Polywed's Deck Sealant is an elastomeric coating based on acrylic co-polymers. Applied as a liquid this product cures to form a durable, protective, waterproof membrane. It is a single component emulsion, containing inert pigments suitable for application by brush, spray, or roller.

- 1- Designed to protect atmospherically exposed, reinforced concrete structures (above any splash zones) from the carbonation and this product is specially formulated for zinc structures
- 2- Concrete storage tanks external surfaces, bridge structures, commercial buildings, industrial buildings
- 3- Areas exposed to chloride ions, oxygen, and moisture ingress, especially where there is a danger of subsequent cracks appearing within the substrate

W  
12



# W1

## ROOFCOAT

ACRYLIC ELASTOMERIC LIQUID WATERPROOFING

### WATERPROOFING

ROOFCOAT is a semifluid acrylic with polymer resins. Once applied in a thick coat, it provides a flexible waterproof membrane for pitched roofs and facades allowing the product to follow the expansion and tension cycles of the substrates. ROOFCOAT shows an exceptional resistance to extreme weather conditions and UV rays. It does not pollute freshwater. It is non toxic and protects the environment.

### SCOPE OF USE

ROOFCOAT is used on pitched roofs and vertical walls wherever waterproofing and flexibility is required on substrates such as:

- Concrete roofs.
- Zinc, asbestos cement and plastic roofing.
- Corrugated and galvanized iron.
- Bituminous coatings.

### PRECAUTION (HEALTH AND SAFETY)

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instruction). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure products is stored as instructed on the safety section of the labeling.

### CHARACTERISTICS

Appearance	Semi Fluid white
Density	1.37
Viscosity	1.60 poise
Ph	8-9
Dry extracts Min. App Temp 5°	70% Elongation at break 250%

### TECHNICAL SUPPORT

Provides onsite technical assistance and guidance for use of our products. For further information consult POLYWED technical services.

### STORAGE

All materials should be stored under cover and clear of the ground. Protect from all sources of moisture and frost. Rotates tock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

### PACKAGING

In 20 Kg Pails.



# W1

## ROOFCOAT

ACRYLIC ELASTOMERIC LIQUID WATERPROOFING

### INSTRUCTION OF USE

#### Surface Preparation:

The surface must be clean, sound and free from dust, dirt, mosses and mould release agents.

#### Product Application:

ROOFCOAT is ready to be applied.

Mix the product with a spatula or a slow speed drill to recover its homogeneity. Apply with a brush, roller or an appropriate gun.

- For plastic, galvanized or zinc roofs: apply one coat @ 1–2 kg/m<sup>2</sup>.

- For concrete roofs, asbestos roofings or bituminous roofs:

Apply one coat of ROOFCOAT diluted with 5% of water as a primer. Then after 8 hours at 20 °C apply a second coat of undiluted ROOFCOAT @ 1 to 1.5 kg/m<sup>2</sup>.

Thinner & cleaning agent: water.

#### PHYSICAL AND CHEMICAL PROPERTIES:

Film 1 mm thick after 7 days drying.

#### Physical Properties:

Elasticity: >250%

Shore Hardness: >50

Resistance to ageing: Excellent

Fire resistance: Self-extinguishing

#### Chemical Properties:

Phosphoric Acid: Excellent

Hydrochloric Acid: Excellent

#### To Alkalis:

Ammonia: No Attack

Alcohols: No Attack

Gas oil: Good

Aliphatic hydrocarbons: The layer gets weak 5-Aromatic hydrocarbons: Bad



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W2

## ROOFCOAT PLUS

ACRYLIC ELASTOMERIC LIQUID WATERPROOFING

### WATERPROOFING

ROOFCOAT is a semifluid acrylic with polymer resins. Once applied in a thick coat, it provides a flexible waterproof membrane for pitched roofs and facades allowing the product to follow the expansion and tension cycles of the substrates. ROOFCOAT shows an exceptional resistance to extreme weather conditions and UV rays. It does not pollute freshwater. It is non toxic and protects the environment.

### SCOPE OF USE

ROOFCOAT is used on pitched roofs and vertical walls wherever waterproofing and flexibility is required on substrates such as:

- Concrete roofs.
- Zinc, asbestos cement and plastic roofing.
- Corrugated and galvanized iron.
- Bituminous coatings.

### PRECAUTION (HEALTH AND SAFETY)

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instruction). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure products is stored as instructed on the safety section of the labeling.

### CHARACTERISTICS

Appearance	Semi Fluid white
Density	1.37
Viscosity	1.60 poise
Ph	8-9
Dry extracts Min. App Temp 5°	70% Elongation at break 250%

### TECHNICAL SUPPORT

Provides onsite technical assistance and guidance for use of our products. For further information consult POLYWED technical services.

### STORAGE

All materials should be stored under cover and clear of the ground. Protect from all sources of moisture and frost. Rotates tock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

### PACKAGING

In 20 Kg Pails.

# W2

## ROOFCOAT PLUS

ACRYLIC ELASTOMERIC LIQUID WATERPROOFING

### INSTRUCTION OF USE

#### Surface Preparation:

The surface must be clean, sound and free from dust, dirt, mosses and mould release agents.

#### Product Application:

ROOFCOAT is ready to be applied.

Mix the product with a spatula or a slow speed drill to recover its homogeneity. Apply with a brush, roller or an appropriate gun.

- For plastic, galvanized or zinc roofs: apply one coat @ 1–2 kg/m<sup>2</sup>.

- For concrete roofs, asbestos roofings or bituminous roofs:

Apply one coat of ROOFCOAT diluted with 5% of water as a primer. Then after 8 hours at 20 °C apply a second coat of undiluted ROOFCOAT @ 1 to 1.5 kg/m<sup>2</sup>.

Thinner & cleaning agent: water.

#### PHYSICAL AND CHEMICAL PROPERTIES:

Film 1 mm thick after 7 days drying.

#### Physical Properties:

Elasticity: >250%

Shore Hardness: >50

Resistance to ageing: Excellent

Fire resistance: Self-extinguishing

#### Chemical Properties:

Phosphoric Acid: Excellent

Hydrochloric Acid: Excellent

#### To Alkalis:

Ammonia: No Attack

Alcohols: No Attack

Gas oil: Good

Aliphatic hydrocarbons: The layer gets weak  
Aromatic hydrocarbons: Bad



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W3

## POLYFLEX

FLEXIBLE CEMENT BASE ACRYLIC MODIFIED WATER PROOF COATING

### WATERPROOFING

POLYFLEX is a two component, acrylic polymer modified cementitious water proofing coating . POLYFLEX is composed of a cement modified Mortar with additives and a liquid component .

### DESCRIPTION

POLYFLEX is a two component, acrylic polymer modified cementitious water proofing coating . POLYFLEX is composed of a cement modified Mortar with additives and a liquid component . Mixed together at site . The product is easy to apply and is used as an effective protective coating on wall and roofs ,against water bone salts(Chlorides & Sulphates),weather, chemicals atmospheric gases and carbonation .It is non shrink mortar. It is suitable for the use in contact with potable water.

### SCOPE OF USES

- Renovate concrete surfaces.
- Water proofing for drinking water and reservoirs.
- For swimming pools.
- Excellent for kitchens and bathrooms .
- Sealing and coating bar holes to ensure water tightness.
- To provide protection to concrete surfaces from Carbonation and Chloride attack.

### ADVANTAGES

- Non-toxic.
- Can be used in contact with Potable water.
- Premixed components, just site mixing.
- Attractive finish to concrete.
- Excellent damp proofing qualities.
- Excellent bonding to Porous and non-porous surfaces.

### STANDARDS

ASTND522/ASTNC-307/ASTMD-412AC1503R.

### PROPERTIES

Color:	Blue & Grey
Powder Density:	1.47 g/l
Liquid Density:	1.04 g/l
Mixed Density:	1.80 g/l
Grain Size:	0-0.5mm
Adhesion to concrete N/mm2(AC 1503R):	3.2
Adhesion to steel N/mm2 :	2.00
Coverage:	0.5-.75 kg/m2
Thick coat:	1-1.5 kg/m2
No. of coats recommended:	2coats
Tensile strength(ASTMC-307):	170kg/cm2
Resistance to tearing (ASTM D412):	160 kg/cm2
Flexibility of 1.5 film thick (ASTM D522):	>50%

# W3

## POLYFLEX

FLEXIBLE CEMENT BASE ACRYLIC MODIFIED WATER PROOF COATING

### INSTRUCTION OF USE

The substrate must be perfectly sound, clean and free from dust and friable matters. Damp the surface with clean water ,Metal surfaces should be wire brushed to remove moss, mildew loose paints and rust.  
Mix the components A& B with slow speed drill so as to obtain a creamy coating( can add small amount of water to obtain the mixture ) which can be applied by a brush or add a little pure water to make the mix brush able.

### APPLICATION

Use a brush or a roller for application . Always damp the surface before coating. Apply the first coat of POLYFLEX with sufficient thickness to plug pores, cracks and holes. Apply 2nd. For high pressure area it is recommended to reinforce the first layer with a fibre mesh(F20).In case of water reservoirs allow cure for two days.

### YIELD

13 m<sup>2</sup> for the set(17.5 Kg)

### STORAGE

As with all the products POLYFLEX can be stored for around 12 months in original packaging and dry stored conditions, well undercover and clear above the ground.

### PACKAGING

POLYFLEX is packed in 17.5kg pail(12.5kg powder and 5 kg liquid).

### CAUTION

#### Health and safety:

As with all chemicals products , caution should always be exercised and protective clothing , such as gloves and goggles ,should be worn POLYFLEX may cause irritation to skin or eyes .Incase of accidental contact with eyes. Immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire:

POLYFLEX is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966126204224**



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W4

## ACRYLIC SEALANT

MULTI-PURPOSE WATER BASED FLEXIBLE SEALANT FOR CONSTRUCTION GENERAL USES

### WATERPROOFING

POLYWED ACRYLIC SEALANT is a general purpose, flexible sealant that is used for caulking, grouting, jointing and embedding in building construction. Suitable for interior and exterior use it resists cracking and gives a smooth finish. POLYWED ACRYLIC SEALANT is water based and can therefore be easily applied to most materials used in construction e.g. concrete, wood, bricks, natural and artificial stone, glass and metals.

### APPLICATION

Suitable for most joints.

- Sealing of construction frame works such as windows frames, door frames, floor boards, ceilings and roofs.
- Flexible crack filler.
- Cornices and skirting blades.

### METHOD OF USE

#### Surface preparation:

Ensure that the surface is clean, dry and free of dust and grease. Gaps exceeding 5 mm should be half filled with backing foams before application.

#### APPLICATION:

- Cut tip of cartridge. screw nozzle onto cartridge. Cut tip of nozzle at an angle to obtain the desired bead size.
- Apply POLYWED ACRYLIC SEALANT with a caulking gun. Smooth after application (before skin formation) with a wet finger or spatula better.
- Remove excess POLYWED ACRYLIC SEALANT with a damp cloth.
- If necessary to paint, POLYWED ACRYLIC SEALANT can be painted over approximately one hour after application,

### METHOD OF USE

All reasonable care has been taken in preparing this technical information which to the best of our knowledge is accurate and true. All recommendation and suggestion are made in good faith and can only be considered for general guidance. No warranty is implied or given by us in relation to application as conditions for use, and any labor involved are beyond our control

### TECHNICAL PROPERTIES

Appearance	Homogeneous paste
Consistency	Non-slump
Movement of accommodation factor	7% when cured.
Skin over time	Approx. 1 hour.
Curing time	Approx. 2 mm per 24 hours.
Water resistance	Good
Temperature range	Between 20°C & +80°C
Bead length	Approx. 12m of 5 mm x 5mm joint.

### CLEANING

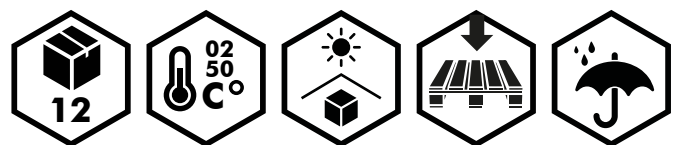
Applicators should be cleaned with water, immediately after use. To prolong the life of a used cartridge, place a piece of plastic over the opening of the cartridge, screw nozzle black onto cartridge and store in a cool, dry place.

### PACKAGING

POLYWED ACRYLIC SEALANT is available in 20 kg pails.

### NOTE

POLYWED ACRYLIC SEALANT is suitable for interior and exterior use. It is however recommended, that it be painted over if used outside where water-ponding may occur.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# W5

## POLY ASUKA

Waterproofing powder admixture

### WATERPROOFING

Polywed's Asuka is a general-purpose waterproofing powder admixture used to increase the water repellence of render, mortar, and concrete. By increasing the water repellence and maintaining the vapor permeability of a mix, there is lower water absorption, lower risk of efflorescence, and staining and higher durability.

### SCOPE OF USE

- Rendering base coats and reduces the suction to allow easier application of following render coats.
- Waterproofing of precast concrete and waterproofing of cement plasters
- Concrete and mortars in regular contact with water

### COVERAGE

Add 1 kg to 50 Kg of cement for the mortar

### COMPONENTS

1 Powder Based Component

### HOW TO USE

- 1- Add powder on cement 1kg per 50kg of cement
- 2- Add to cementuous mixture
- 3- Add water
- 4- Mix Wel
- 5- Apply

### STORAGE AND SHELF LIFE

This original sealed container has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

### COMPLIANCE

BS 5262

### TECHNICAL PROPERTIES

Appearance	white powder
Air entrainment	1% - 2%
Chloride content	NIL
Flamability	NIL

### PACKAGING TYPE

Paper Bag – 1kg plastic Bags

### AVAILABLE SIZES (KG)

25kg

### HEALTH AND SAFETY

As with all chemicals caution should be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call medical assistance immediately. Ensure the container is available for medical staff to review and examine any relevant instructions or chemical properties. Reseal all containers after use and ensure products are stored as instructed.

# W5

## POLY ASUKA

Waterproofing powder admixture

### INSTRUCTION OF USE

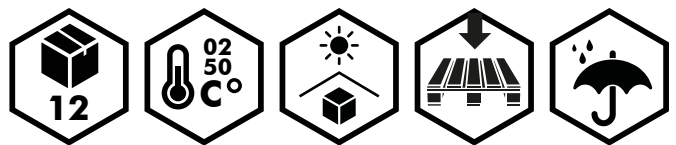
- Poly Asuka's waterproof powder is recommended for use at a dosage of 1 x 1kg bag per 50kg of cement.
- Add to cementitious mixture but ensure to carry out trial mixes to determine the optimum dosage rate. Use clean, sharp, well graded sand for mortar and render mixes in addition to clean, well graded aggregates for concrete.
- Add water to the mixture
- Mix well with an admixture heavy duty electronic mixer well for three minutes until a homogenise mixture is obtained.
- Apply the cement.

### EFFECTS ON CONCRETE

- Wet Concrete: Fine particles and chemicals in admixtures combine with lime released by cement during hydration to block capillary channels within concrete
- Dry concrete: Exhibits superior resistance to water ingress or contamination by water borne elements

### CLEANING

Spillage of Polywed Asuka's waterproofing powder should be removed by dry brushing where possible or should be hosed by large quantities of water



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.

Page1 of 2



# W6

## POLY ASUKA PLUS

A HIGH RANGE WATERPROOF ADMIXTURE WITH LOW DOSAGE

### WATERPROOFING

Poly Asuka Plus is a liquid admixture of concrete which gives high range of water resistance based upon integrated lignosulphonate and surface active agents. Poly Asuka Plus not only help in compaction and plasticizing but also reduces the water considerably.

### SCOPE OF USES

For all structures that are in constant contact with water such as basement, water reservoirs, basement, sea water and under ground water tanks.

### ADVANTAGES

- Poly Asuka Plus is resistant to water penetration either under conditions of hydrostatic pressure or capillary absorption.
- It improves the cohesive properties of the concrete and hence reduces segregation and bleeding.
- Durability is increased due to significant reduction in water cement ratio.
- The attack of sulphate is reduced due to the sulphate bearing ground water being resisted.

### INSTRUCTION OF USE

Poly Asuka Plus is totally miscible in water. It is incorporated into the mixing water. The quantity of water is determined as a function of the Plasticity desired.

### STORAGE

Poly Asuka Plus has a shelf life of 12 months if stored at temperature between 2°C and 50°C. If these conditions are exceeded, POLYWED technical department Should be contacted for advice.

### PACKAGING

Poly Asuka Plus is available in 25 liters pails, 210 liter drums and 1000 liter bulks supply.

### DOSING RATES

CPA at low C3A: 1.00 liter / 100 kg cement. CPA at high C3A: 1.20 liter / 100 kg cement. Standard amount for use 0.5 to 3.5 ltr / 100 kg Cement.

	Absorption g.dm <sup>3</sup> .min	
	7 Days	28 Days
Control	13.30	7.20
Poly Asuka Plus 1 liter / 100 kg cement	5.40	3.30

### TECHNICAL PROPERTIES

Appearance	Brown Liquid
Specific Gravity	Typically 1.25 – 1.16 @ 20 °C
Chloride Content	Nil to BS 5075
Air Entrainment	Less than 2% additional air is entrained at normal dosages
Alkali Content	Less than 5.0g. Na <sub>2</sub> O equivalent / liter of admixture.

### CLEANING

Poly Asuka Plus can be washed with fresh cold water.

# W6

## POLY ASUKA PLUS

A HIGH RANGE WATERPROOF ADMIXTURE WITH LOW DOSAGE

### POINTS TO REMEMBER WHEN PRODUCING WATERPROOF CONCRETE

- Ensure specific water-cement ratio is not exceeded.
- Water content should be kept as low as possible compatible with achieving full compaction.
- Concrete should be placed thoroughly and ensured it is thoroughly compacted.
- Protect new concrete against rapid drying out and ensure adequate and complete curing.

### EFFECTS OF OVER DOSING

(An overdose of double the intended amount of Poly Asuka Plus will result in an increase in retardation as compared to that normal obtained at the intended dosage. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation and will generally be increased. The effects of over-dosage will be further increased if sulphate resisting cement or cement replacement materials are used. Over dosage may also cause increased air entrainment, which will tend to reduce strength. The degree of this effect will depend on the particular mix design and over-dosage level.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W7

## POLYPLUG

RAPID SET CEMENTITIOUS MORTAR FOR PLUGGING OF WATER LEAKS

### WATERPROOFING

POLYPLUG is a fast cementitious mortar for rapid patching and plugging of water leaks in concrete structure.

### APPLICATION

POLYPLUG is used for patching water leaks in concrete structure such as; tunnel lining, sewage plants, basement, water tanks, foundations and concrete segments.

### ADVANTAGES

- Fast setting.
- Easy to use. Single component, only needs addition of water.
- Excellent bond to concrete.
- Low exothermic, minimizing thermal cracks.
- Chloride free.

### INSTRUCTION OF USE

Polyfluid SW is totally miscible in water. It is incorporated into the mixing water. The quantity of water is determined as a function of the Plasticity desired.

### STORAGE

POLYPLUG shelf life is 12 months if stored in closed container at temperature between 5°C and 45°C . If these conditions are exceeded in any respect. POLYWED technical department should be contacted for advice.

### PACKAGING

POLYPLUG is available in 1 and 5kg drum, 10 and 20kg bags.

### CAUTION

As POLYPLUG contains cement, POLY-PLUG may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

FIRE: POLYPLUG is non flammable.



### TECHNICAL PROPERTIES

Setting time	Approx. 60 Seconds @ 25°C
Compressive strength	16N/MM2 @ 24 hours (BS 6319 pt2:1983)

Set time will be extended at lower temperature and reduced at higher temperature.

### METHOD OF USE

#### Surface preparation:

All substrate should be clean and free loose material and contamination. All areas to be patched should be cut back to a minimum depth of 15mm. Leaking cracks should be chased out to a depth of 20mm.

#### Mixing:

Clean water should be added to a clean container. Add powder slowly and mix using a trowel or gloved hand until a stiff mix is obtained. Mixing ratio should be 1 part water to three parts powder. Due to the rapid set nature of the product, mix only small amounts that can be used within the setting time. In very cold conditions, the use of warm water (room temperature) is advised to accelerator strength development. Do not apply when frost is expected within 12 hours of application. For hot temperature applications, the material should be stored in the shade and cooler water used.

#### Application:

Apply the product to the leaking areas using trowel or gloved hand and hold until set. Apply at a minimum thickness of 15 mm. cover the leaking area and surrounding areas.

### METHOD OF USE

The minimum application thickness of POLY- PLUG is 15mm. When the needed quantity is mixed, it must be used and held in the needed position until the initial set is reached (1mm.at 25°C)



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W8

## SEALING SLURRY

SINGLE COMPONENT WATER PROOF COATING FOR CONCRETE & MASONRY

### WATERPROOFING

POLYWED SEALING SLURRY is a single component cement based water proof coating for masonry and concrete, resistant to positive and negative water pressure. It is a readymade mixture of cement, fillers, additives & admixtures. The product is non toxic and can be used in contact with drinking water.

### SCOPE OF USES

External coating on any construction:

- Vertical
- Underground
- Immersed
- Internal coating of constructions with negative pressures.
- Very good with areas with humidity .
- Complete water tight departments
- Immersed Cellars
- Lift Holes
- Car Parks
- Water proofing of tunnel galleries
- Water proofing of swimming pools
- Coating on expanded polystyrene
- Waterproofing under tiles

### TECHNICAL SUPPORTS

POLYWED provides onsite technical assistance and guidance for use of our products. For further information consult POLYWED technical services.

### STORAGE

All materials should be stored undercover and clear of the ground .Protect from all sources of moisture and frost .Rotate stock in order not to exceed the shelf life of 12 months. Wind and direct sun light must be avoided.

### PACKAGING

In 20 Kg Pails.

### INSTRUCTION FOR USE

#### Product Preparation:

The strata must be perfectly sound, clean, free from grease and friable matters. Wet abundantly the surface to be treated. The product as supplied is ready for use just add 4 to 6 liters of clean water for every 20 kg of powder to get a homogenous paste which can be applied by a brush.

#### Product Application:

Apply 1st layer of POLYWED SEALING SLURRY with sufficient thickness to plug pores, cracks and holes @ 1.5 kg/m<sup>2</sup>. Apply 2nd layer in the proportion of 0.5 to 1 kg/m<sup>2</sup>. Apply POLYWED SEALING SLURRY with a brush, roller or trowel.

#### For Drinking Water Reservoirs:

First repair all cracks with POLYWED REPAIR Apply 2 coats of POLYWED SEALING SLURRY on the walls and flooring of the reservoir @ 2kg/m<sup>2</sup> in the 1st coat and @ 1 to 1.5 kg/m<sup>2</sup> in the 2nd coat.

#### For Water tight Departments Under High Negative Pressure:

First repair all cracks and leaks with POLYPLUG. Apply 2 or 3 coats POLYWED Sealing Slurry. Recommended consumption is 1 to 2 Kgs/m<sup>2</sup>.

### PRECAUTION - HEALTH & SAFETY

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instruction). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure products is stored as instructed on the safety section of the labeling.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# W9

## BOND 9000

MASONRY WATER REPELLENTS

### WATERPROOFING

Bond 9000 is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane. Dilute solutions of Bond 9000 serve as high quality, general-purpose water repellents for hydrophobic impregnating and priming mineral surfaces. Mineral substrates treated with Bond 9000 are especially characterized by an excellent beading effect. Moreover Bond 9000 can be used for the mass hydrophobation of non-load bearing concrete products.

### PROPERTIES

Bond 9000 emulsion contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. Hydrolysis occurs only after application to the substrate, which breaks the emulsion. Alcohol is released and the emulsion is converted into a silicone resin water repellent.

Bond 9000 reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

### SPECIAL FEATURES

- good depth of penetration
- rapid development of water repellency
- highly durable and effective beading effect
- tack-free drying
- provides good adhesion for paints
- water-based and environmentally compatible
- stable in storage, even when diluted

### APPLICATION

Bond 9000 is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand- lime brick, natural sandstone and

mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads.

Owing to its aqueous consistency and storage stability when diluted, Bond 9000 is ideal for inplant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

Bond 9000 may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

### PRODUCT DATA

Typical general characteristics	Value
Appearance	milky, white
Active substance	50 wt. %
Density	0,95 g/cm <sup>3</sup>
Viscosity, dynamic at 25 °C	approx. 12 mPa.s

These figures are only intended as a guide and should not be used in preparing specifications.

### STORAGE

The "Best use before end" date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

# W9

## BOND 9000

MASONRY WATER REPELLENTS

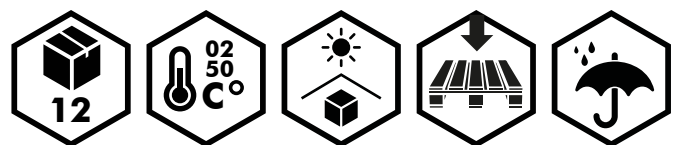
### PROCESSING

Processing as a Hydrophobic Impregnating Agent:

Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. If it starts to rain, stop treatment and cover the impregnated areas.

Processing as a Concrete Admixture (Water Resisting Admixture):

The recommended admixture range of a 1 : 4 Bond 9000 is 1.0 % to 5.0 % of the cement content. A significant reduction in water uptake can already be achieved at a concentration of 1.0 % of the cement. Bond 9000 is added either simultaneously with or immediately after the mixing water – it should never be added along with other additives. To keep a constant w/c value the total mixing water is reduced by amount required earlier for dilution. We recommend testing compatibility with other concrete admixtures separately. A longer mixing time will thoroughly distribute the product within the overall system, which in turn will make it highly effective.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W10

## BOND 9000 PURE

MASONRY WATER REPELLENTS

### WATERPROOFING

Bond 9000 PURE is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane. Dilute solutions of Bond 9000 PURE serve as high quality, general-purpose water repellents for hydrophobic impregnating and priming mineral surfaces. Mineral substrates treated with Bond 9000 PURE are especially characterized by an excellent beading effect. Moreover Bond 9000 PURE can be used for the mass hydrophobation of non-load bearing concrete products.

### PROPERTIES

Bond 9000 PURE emulsion contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. Hydrolysis occurs only after application to the substrate, which breaks the emulsion. Alcohol is released and the emulsion is converted into a silicone resin water repellent.

Bond 9000 PURE reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

### SPECIAL FEATURES

- good depth of penetration
- rapid development of water repellency
- highly durable and effective beading effect
- tack-free drying
- provides good adhesion for paints
- water-based and environmentally compatible
- stable in storage, even when diluted

### APPLICATION

Bond 9000 PURE is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and

mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads.

Owing to its aqueous consistency and storage stability when diluted, Bond 9000 PURE is ideal for inplant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

Bond 9000 PURE may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

### PRODUCT DATA

Typical general characteristics	Value
Appearance	milky, white
Active substance	50 wt. %
Density	0,95 g/cm <sup>3</sup>
Viscosity, dynamic at 25 °C	approx. 12 mPa.s
These figures are only intended as a guide and should not be used in preparing specifications.	

### STORAGE

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

# W10

## BOND 9000 PURE

MASONRY WATER REPELLENTS

### PROCESSING

Processing as a Hydrophobic Impregnating Agent:

Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. If it starts to rain, stop treatment and cover the impregnated areas.

Processing as a Concrete Admixture (Water Resisting Admixture):

The recommended admixture range of a 1 : 4 Bond 9000 PURE is 1.0 % to 5.0 % of the cement content. A significant reduction in water uptake can already be achieved at a concentration of 1.0 % of the cement. Bond 9000 PURE is added either simultaneously with or immediately after the mixing water – it should never be added along with other additives. To keep a constant w/c value the total mixing water is reduced by amount required earlier for dilution. We recommend testing compatibility with other concrete admixtures separately. A longer mixing time will thoroughly distribute the product within the overall system, which in turn will make it highly effective.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W11

## BITUMEN LV30

WATER BASED BITUMENPROTECTIVE COATING

### WATERPROOFING

BITUMEN LV30 is a black/brown emulsified bitumen liquid, acting as protective coating and vapor barrier for concrete and masonry.

### APPLICATIONS

BITUMEN LV30 provides a protective coating and vapor for the following:

- Underground concrete foundations.
- Concrete and masonry block walls.
- Walls below cladding systems.

### ADVANTAGES

- Resists attack by chloride and sulphate ions present in ground water.
- Applied by brush which makes it easy to use.
- Economical.
- Water base has no solvents.
- Asbestos free.

### METHOD OF USE:

#### Surface preparation:

Surface preparation is very important to get the highest performance of BITUMEN LV30. Any surface to be coated must be clean, sound and free of oil or grease. Any oil or grease contamination should be removed with a chemical degreaser. All holes should be filled with a suitable cementitious mortar before application of BITUMEN LV30.

#### Primer coat:

There is generally no need for primer coat. Dusty surfaces should be primed with a coat of BITUMEN LV30 , diluted with an equal quantity of cool, clean water and allowed to dry.

#### Application:

It is recommended that two coats of BITUMEN LV30 be applied. The second coat should be applied at a right angle to the first coat. Allow a minimum of 3 hours between coats. Stir well before use. BITUMEN LV30 may be applied by brush, broom or squeegee.

### TECHNICAL PROPERTIES

FORM	Liquid
Bitumen content:	greater than 40%
Over coating time:	2 hours

### CLEANING

Tools and equipment can be cleaned with water when still wet. Dried BITUMEN LV30 may be removed with POLYWED-SOLVENT.

### COVERAGE

3 to 5m<sup>2</sup>/liter, depending on surface roughness.

### PACKAGING & SHELF LIFE

BITUMEN LV30 is available in 16 and 200 liter drums. BITUMEN LV30 has a shelf life of 12 months if stored in proper conditions.

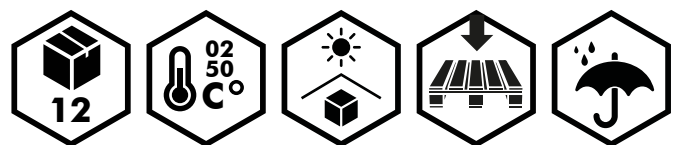
### STORAGE

Store away from direct sunlight, and protect from

### CAUTIONS (HEALTH AND SAFETY)

As with all bituminous product, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection. Should accidental skin contact occur, removed immediately with plant of clean water. If swallowed, seek medical attention immediately- do not induce vomiting. For further information refer to the material safety data sheet.

**Fire:** BITUMEN LV30 is non flammable.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# W12

## DECKSEAL 2000

PIGMENTED, ELASTOMERIC & PROTECTIVE WATER PROOF AND ANTI-CARBONATION COATING FOR CONCRETE & CONCRETE STRUCTURES

### WATERPROOFING

DECKSEAL E200 is an elastomeric coating Based on acrylic co- polymers. Applied as a liquid it cures to form a durable, protective, water-proof membrane. It is a single component emulsion containing inert pigments suitable for application by brush, spray or roller. DECKSEAL E200 prevents chloride ion ingress. And exceeds all the requirements of a coating that resists carbonation.

### PRIMARY USES:

DECKSEAL E200 is designed to protect atmospherically exposed, reinforced concrete structures (above any splash zones) from attack by carbonation, chloride ions, oxygen and moisture ingress, especially where there is a danger of subsequent cracks appearing within the substrate. It is especially formulated for zinc structure. Typical uses include, but are not necessarily limited to, the following:

- Anti-carbonation coating for new and existing structures.
- Concrete storage tanks external surfaces
- Bridge structures.
- Coastal environments Multi storey car parks.
- Commercial buildings.
- Industrial buildings.

### ADVANTAGES

- Elastomeric-capable of bridging cracks.
- Easily applied by roller, brush or airless spray.
- Provides barrier against salts and atmosphere gases.
- Extremely durable-maintains elastomeric performance, with high recovery, even after long term UV weathering.

### STORAGE

When stored in cool, dry conditions, away from sources of heat and naked flames, in the original, unopened packs, all products have a shelf life of 12 months. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced. DECKSEAL E200 should be protected from frost.

### PACKAGING

DECKSEAL E200 is supplied in 20 Kg pails.

### TECHNICAL PROPERTIES

Relative density:	1.38at25°C
Solids content by volume	62%
Solids content by weight	73%
Reduction in chloride ion ingress@28days	97%
Water vapour transmission	26gms/m <sup>2</sup> /24 hours
#Chloride penetration after 2000 hrs accelerated weathering	No penetration
Carbon dioxide diffusion	R(m) value at 400
After 2000 hrs accelerated weathering:	Microns DFT greater Than 200m
Water absorption	<1%
Application temperature (substrate):	5°Cto35°C
Chemical resistance	Resistant to spillage of gasoline, diesel, sewage, weak acids and alkalis
Appearance after 2000 hrs Accelerated weathering	No color change, cracking, chalking or blistering observed

### COVERAGE

Approximately 21 m<sup>2</sup>/20 Kg

### SHELFLIFE

Has a shelf life of 12 months if stored in proper condition in unopened packs.



# W12

## DECKSEAL E200

PIGMENTED, ELASTOMERIC & PROTECTIVE WATER PROOF AND ANTI-CARBONATION COATING FOR CONCRETE & CONCRETE STRUCTURES

### APPLICATION

Apply in one or more coats ensuring a continuous even film. The finish may be textured if desired.

Surface preparation: roof waterproofing

Surfaces to be treated should be clean and dust free. All traces of oil, grease, mould release agent and residual curing compounds should be removed together with any other contaminant that could impair adhesion. Previous water-proofing treatments should be either completely removed or put in order. Cracked, broken, slipped or missing tiles, sheets, slates or other forms of covering must be replaced or refixed. SUPERSELARGP-770 as a primer, is required on all cement based and other porous substrates. It should be applied at approx. 5m<sup>2</sup>/liter and permitted to dry before proceeding.

### APPLICATION PROCEDURE

DECKSEAL E200 can be applied by brush, roller or airless spray equipment. For airless spray application dilute with 7% (1.4 liter/20 ltr unit) by volume of potable water.

### SURFACE PREPARATION

All concrete surfaces should be treated to achieve a sound, clean surface free from laitance, oil, grease, mould release agent, residual curing compound, dust or other contaminants that could impair adhesion.

### PRIMING

For concrete surfaces should be primed with SUPER SELARGP- 770 applied at approximate rate of 5m<sup>2</sup>/liter, to eliminate excessive suction and promote adhesion (for zinc structure no need to apply SUPERSELARGP-770) applied. In temperatures >25°C, application should be made a minimum of three hours before applying the DECKSEAL E200 coating. In cold, humid conditions 24 hours is required to ensure full solvent release. Coating the concrete.

### PRIMING

For concrete surfaces should be primed with SUPER SELARGP- 770 applied at approximate rate of 5m<sup>2</sup>/liter, to eliminate excessive suction and promote adhesion (for zinc structure no need to apply SUPERSELARGP-770) applied. In temperatures >25°C, application should be made a minimum of three hours before applying the DECKSEAL E200 coating. In cold, humid conditions 24 hours is required to ensure full solvent release. Coating the concrete at an early stage, prevents penetration of deleterious salts.

### FILLER/SCRAPE COAT

Surface depressions, blow holes, aggregate pop outs etc., may be rectified with DECKSEAL E200 mixed with DECKSEAL E200 Filler added at 0.5-1kg/liter. The filler addition rate being dependent on surface and ambient conditions. The mixed filler is tightly scraped on to the surface to be over coated, paying particular attention to ensure blemishes are filled. Deeper aggregate pop-outs may require filling in two layers or with as lightly stiffer mix. The treated surface should be left to cure until the deepest depressions are dry to the touch before over coating.

### APPLICATION

DECKSEAL E200 is applied to the prepared surface in two coats, the first being allowed to dry, before the second is applied. In hot dry climates, application will be assisted by dampening brushes. Where the roof is in poor condition, or where substantial movement is expected in the roof structure, apply as and with system incorporating reinforcing fabric.

In this application, the fabric is bedded into the wet film of the first coat of DECKSEAL E200 using a charged brush. Ensure that full contact is achieved and there is no air entrapped. Apply a second coat of DECKSEAL E200 when the first has dried, at right angles to the first.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



## PRODUCT Putty

Our product range of construction putty, provide excellent adhesion to surfaces, and ensure excellent grindability. They could be used in various settings such as forming a good surface for paint and varnish, filling cracks, smoothing scratches and other irregularities in plaster, concrete, walls, gypsum boards and wooden boards

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- Y1 - Powder Based Putty
- Y2 - Crack Filler
- Y3 - Water Based Putty
- Y4 - Oil Based Putty



**polywed**

CONSTRUCTION CHEMICALS





# PUTTY



## Powder Based Putty

A single component polymer modified with fiber-reinforced repair mortar, fine fillers, bonding chemicals, and high-performance additives. Used after plastering building blocks or bricks, to create a thin underlayment to repair undulations and provides a smooth surface finish that is ideal for subsequent application of paint & decorative coatings.

areas for use:

- 1- Applied internally onto walls and ceiling surfaces and suitable for use in wet areas like bathrooms, toilets and kitchens
- 2- Leveling of minor surface undulation of plaster and concrete. In addition to concrete surfaces that are smooth and also precast concrete surfaces
- 3- As a thin patch mortar, pinhole filler and color matching coat

Y1



## Crack Filler

A High-performance polymer modified crack filler/fair coat wall plaster. This product can be used for interior and exterior use in order to fill cracks up to 8mm in the concrete surfaces.

areas for use:

- 1- Filling concrete cracks, and holes
- 2- Leveling uneven surfaces
- 3- Smoothing cracks and holes at door frames

Y2



## Water-Based Putty

A ready-to-use water-based acrylic putty, suitable for stuccoing (skim coat puttying) in interior and exterior areas. It is very convenient in application and rubbing. It provides a flat and smooth final surface, ready for priming and painting

areas for use:

- 1- ideal stuccoing surfaces of plaster, concrete, masonry, wood, gypsum board, and cement board.
- 2- For curing plastic-based paints
- 3- Ideal filler for leveling up of walls before tile laying and For fixing plasterboard panels.
- 2- As a fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, defects

Y3



## Oil Based Putty

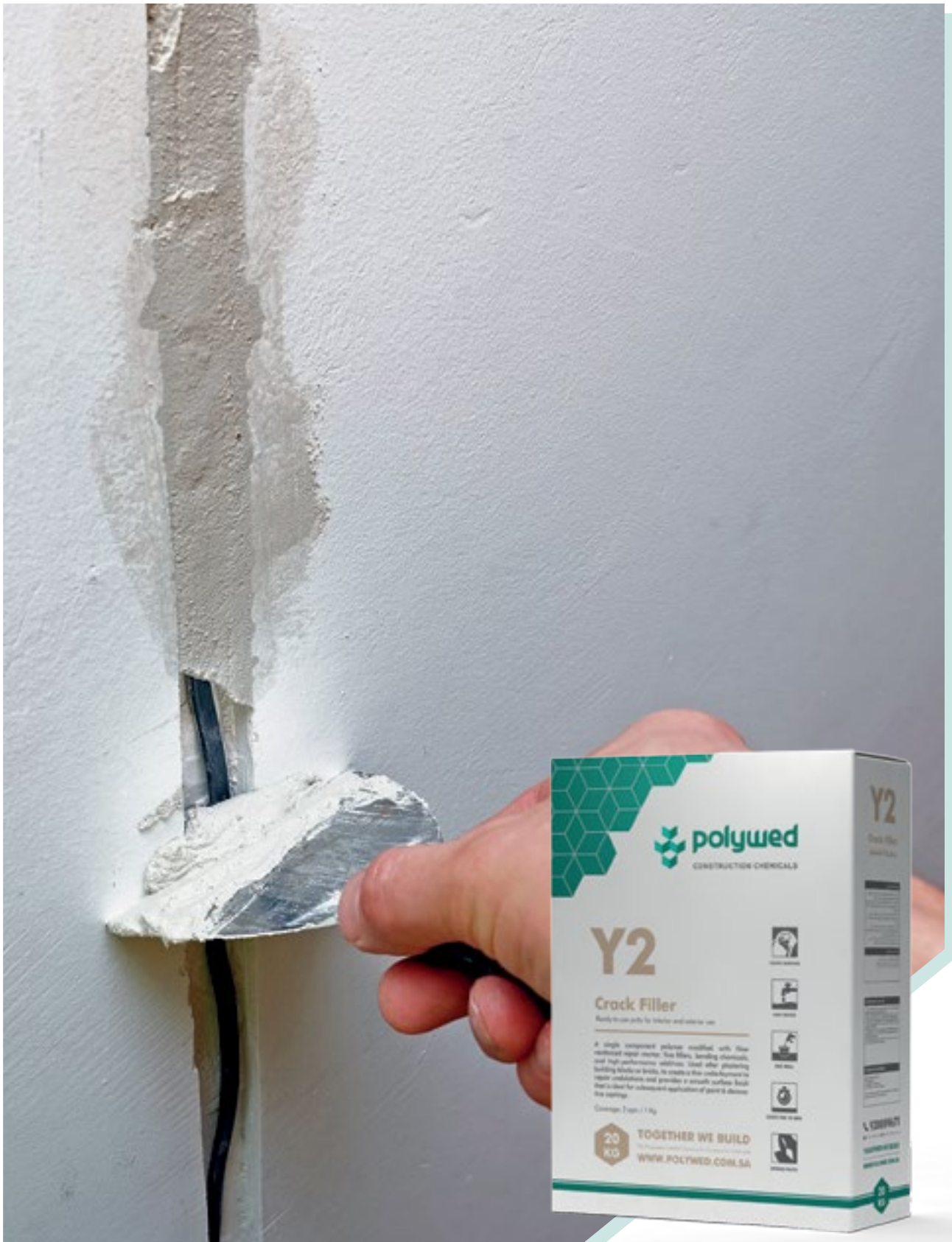
A ready oil-based putty used to provide a smooth finish for plaster, brick, stone, wood, etc. mostly used before painting or other finishes.

areas for use:

- 1- For curing oil-based paints
- 2- Skimming expanded polystyrene and asbestos for painting ease.
- 3- For filling small cracks in woodwork, defective paintwork, and spaces between floor boards.

Y4

# PUTTY







# Y1

## POWDER BASED PUTTY

Cementitious fine finish plaster

PLASTER

REPAIR

A powder and cement based ready putty, for leveling of minor surfaces such as plaster, concrete, brick, stone, wood, etc. used before painting to add a smooth finishing.

### APPLICATION

- Ideal filler for leveling up of walls before tile laying.
- Skimming expanded polystyrene and asbestos for easy painting..
- For filling small cracks in wood work. Defective paint work and gaps between floor boards.
- Mixed with mineral wool it can be used for pipe lagging.
- For fixing plaster board panels.

### INSTRUCTION FOR USE

#### Surface preparation:

Surface must be dry. Remove dust and loose material prior to filling. Damp wood should be allowed to dry and decayed wood should be removed. Scratch smooth surface to give a good key. Do not apply POLY FILLER over sealant or primer.

#### Mixing and placing:

Mix 2 parts of POLYFILLER to one part of water to form a smooth paste. For deep holes and cracks make a thick paste with less water. For filling wood grains make a thin paste with more water which can be applied with a brush. POLY FILLER has a working time of 3 – 4 hours. It sets completely 2 hours after application.

### PACKAGING

Polyfiller is available in 25 kg. paper bag & 1.5 Kg x 8 Carton.

### STORAGE

All materials should be stored under cover and clear of the ground. Protect from all sources of moisture and frost. Rotate stock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

### CHARACTERISTICS

Aspect	Off white powder
Composition	Cement, special additives and mineral fillers
Powder Density	1.14
Mixed wet density	2.0 g/cm <sup>3</sup>
Texture mm using suitable nozzles	
Fine	0.5
Medium	1.2
Coarse	2.36
Coverage kg/m <sup>2</sup> @1mm thickness	2
Flexural Strength Pot life hours	>9 MPa at 28 days 3 - 4

### CAUTIONS

#### Health and Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure a product is stored as instructed on the safety section of the labeling.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# Y2

## CRACK FILLER

CONSTRUCTION CRACK FILLER – FAIR COAT WALL PLASTER

WATERPROOFING

PUTTY

Is a ready putty based for plaster, brick, stone, wood etc., before painting or other finishes. Provides a smooth finish. Filling Cracks in concrete surfaces. Leveling uneven surfaces. For Smoothing cracks and holdes at door frames Smooth down uneven or irregular facades. Repair Fair faced brick work. Can be used for interior and exterior application.

### APPLICATION

- Surface preparation: Surface must be dry, clean, and rough. All oils debris, paint, dust, and unsound concrete must be removed in addition to any loose material.
- Mixing and placing: Mix 1-1.5 parts of powder into 1-part potable water. Small quantities can be mixed manually.
- Application as crack filler: remove all loose particles or wallpaper from holes. The mixed product must be pressed firmly into the cracks by spatula, putty Knife, or trowel.
- As a finish Coat: The mixed product should be applied by trowel for leveling uneven concrete surfaces. Smooth the surface with sand paper after the material is dried.
- Curing: This product does not require curing with standard methods for most applications. Under Hot windy or rapid drying conditions a fog spray or wet cure for 24 hours is recommended after final set of material.

### PACKAGING

Available in 25 kg paper bag & 1.5 Kg x 8 in a Carton Box.

### STORAGE

All materials should be stored under cover and clear of the ground. Protect from all sources of moisture and frost. Rotate stock in order not to exceed the shelf.

### CHARACTERISTICS

Working life	Approx. 1 hour
Wet Density in Kg/m <sup>2</sup> at 1mm Thickness	2.00
Water Addition	0.48 Liter / Kg
Colour	White powder
Water Ratio Liter/Bag	0.5

Disclaimer: Working Life and setting time will vary dependent on ambient and substrate temperatures.

### CAUTIONS

#### Health and Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure a product is stored as instructed on the safety section of the labelling.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# Y3

## WATER BASED PUTTY

READY PUTTY FINISH COAT PLASTER

**WATERPROOFING** **PUTTY**

Is a ready putty based for plaster, brick, stone, wood etc., before painting or other finishes. Provides a smooth finish.

### APPLICATION

- Ideal filler for leveling up of walls before tile laying.
- Skimming expanded polystyrene and asbestos for easy painting.
- For filling small cracks in wood work. Defective paint work and gaps between floor boards.
- For fixing plaster board panels.

### INSTRUCTION FOR USE

#### Surface preparation:

Surface must be dry. Remove dust and loose material prior to filling. Damp wood should be allowed to dry and decayed wood should be removed. Scratch smooth surface to give a good key.

For filling wood grains make a thin paste with more water which can be applied with a brush. POLYWED

### PACKAGING

POLYWED READY PUTTY is available in 20 kg & 3.5 Kg.

### STORAGE

All materials should be stored undercover and clear of the ground. Protect from all sources of moisture and frost. Rotate stock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

### CHARACTERISTICS

Aspect	Yellowish or white Slurry
Composition	Special Polymers
Mixed wet density	2.0g/cm <sup>3</sup>
Coverage kg/m <sup>2</sup>	2
Flexural Strength	0.5 1.2 2.36
Potlife hours	>9MPaat28days

### CAUTIONS

#### Health and Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure a product is stored as instructed on the safety section of the labeling.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# Y4

## OIL BASED PUTTY

READY PUTTY FINISH COAT PLASTER

### WATERPROOFING

Is a ready putty based for plaster, brick, stone, wood etc., before painting or other finishes. Provides a smooth finish.

### APPLICATION

- Ideal filler for leveling up of walls before tile laying.
- Skimming expanded polystyrene and asbestos for easy painting.
- For filling small cracks in wood work. Defective paint work and gaps between floor boards.
- For fixing plaster board panels.

### INSTRUCTION FOR USE

#### Surface preparation:

Surface must be dry. Remove dust and loose material prior to filling. Damp wood should be allowed to dry and decayed wood should be removed. Scratch smooth surface to give a good key.

For filling wood grains make a thin paste with more water which can be applied with a brush. POLYWED

### PACKAGING

POLYWED READY PUTTY is available in 20 kg & 3.5 Kg.

### STORAGE

All materials should be stored undercover and clear of the ground. Protect from all sources of moisture and frost. Rotate stock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

### CHARACTERISTICS

Aspect	Yellowish or white Slurry
Composition	Special Polymers
Mixed wet density	2.0g/cm <sup>3</sup>
Coverage kg/m <sup>2</sup>	2
Flexural Strength	0.5 1.2 2.36
Potlife hours	>9MPaat28days

### CAUTIONS

#### Health and Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure a product is stored as instructed on the safety section of the labeling.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# PRODUCT Plasters

Polywed's range of plastering products is designed precisely to be waterproof in addition to enduring the extreme weather conditions found in the middle eastern and african geographic regions such as extreme heat and low temperatures. Polyweds plastering products could be used both interior and exterior for decorative purposes, protection purposes, and building facades

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- L1 - Rockcoat
- L2 - Poly Plaster





# PLASTER



## Rockcoat

A cement based waterproof ready mixed plaster on which decorative and colored aggregates and marble chips are sprayed. It provides an excellent workability for any kind of wall and a wider range of patterns and colors than a normal plastering stone. excellent dirt pick-up resistance and is extremely stable against ultra violet light even in severe climates.

### AREAS FOR USE

- 1- Finishing of the walls of any kind of building such as office buildings, public buildings, houses, hotels, etc.
- 2- Exterior wall for direct application on clay brick, concrete block, AAC block, precast/in-situ concrete and stone.
- 3- Areas that withstand high and low temperatures in addition to areas that require coatings that are waterproof, fireproof, and termite proof

L1



## Poly Plaster

Used for traditional plastering works in a clean and speedy manner, while keeping a homogeneous mix. Due to its high content in additives and fibers, it allows better shrinkage control as well as improved workability and curing.

### AREAS FOR USE

- 1- Used after the structural completion, such as electric wiring, plumbing, and air conditioning connections
- 2- For external and internal use on walls, roofs and surfaces for decoration purposes
- 3- Plaster is used on walls or directly on blocks, usually on rear facades

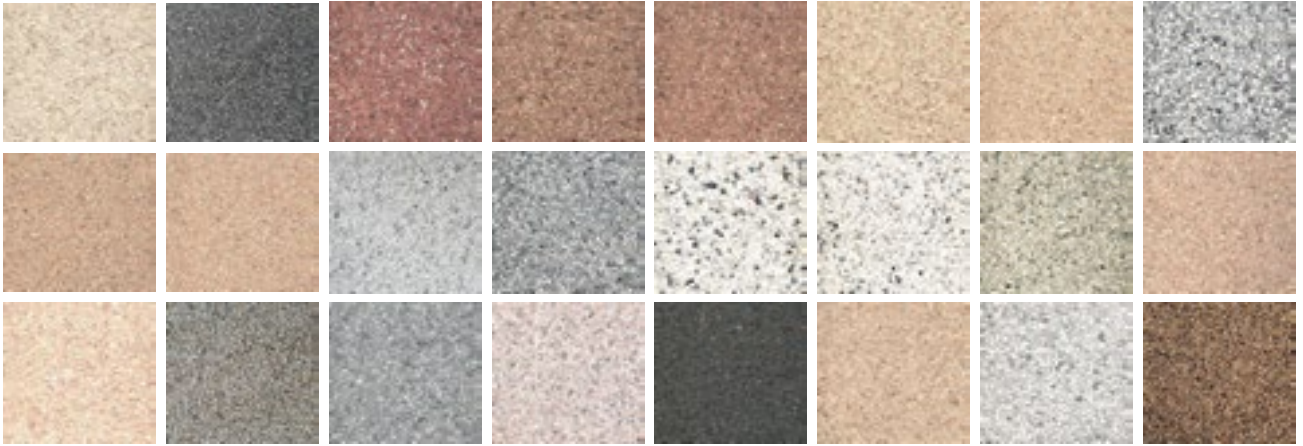
L2



**Poly Plaster**



## Available Colors



Legal Disclaimer: Actual colors may vary. We try to edit the technical information provided to show grout color samples as life-like as possible, but please understand the actual color may vary slightly and Polywed cannot guarantee that the color you see accurately portrays the true color of the product.



**Rockcoat**



# L1

## ROCKCOAT

Marble Chips Decorative Coating

### DECORATIVE COATING

ROCKCOAT is a cement based ready mixed plaster on which decorative and colored aggregates are sprayed. It has altogether the properties of a decorative and waterproof coating.

### PRIMARY USES

For interior and exterior walls. Admissible substrate: block masonry, concrete cement based plaster. Associated aggregate: marble, brick, silicate aggregate. For color and size POLYWED may propose different type: black, white, red, beige & other colors from 0.5mm to 10mm. For other aspects and samples please contact our technical department.

### CHARACTERISTICS:

ROCKCOAT is a cement based colored powder, which contains specific admix- ture, pigments and selected sand.

- Density powder: 1.36
- Grain size: 0 to 1mm.

### CONSUMPTION

For the plaster, around 1.8 m<sup>2</sup>/20 Kg bag per 1/2 mm thickness, for the aggregates, it depends on the size and the aspect required.

### PACKAGING

ROCKCOAT is packed in 20 kg bags. It can be stored for around 12 months in original packaging and dry stored condi- tions.

### PACKAGING

ROCKCOAT is packed in 20 kg bags. It can be stored for around 12 months in original packaging and dry stored condi- tions.

### INSTRUCTION OF USE

#### Substrate preparation:

Substrate must be sound, clean and dust free and free from all traces of oil, gypsum, paint or laitance. Few hours before moisten the surface, dampen the slabs one day before too, without making puddles.

#### Preparation of the product:

Mix a 20kg bag with 8 liter of water use an electric slow speed mixer for 2 or 3 minutes until an homogenous creamy paste is obtained.

#### Application of the product:

Apply the mix on the wall like a usual plas- ter with a thickness around 5 mm smooth it and then project the aggregates by using a spray gun or by a trowel. The projection may be done in one or two ways.

- Setting time depends on the temperature and humidity.
- Do not apply in strongly ventilated area or in hot weather.
- Avoid bright sunshine and temperature higher than 50C.
- We recommended the creation of joint every 15 m<sup>2</sup>.
- Order all your aggregates once in order to obtain the same aspect and color all over your project.

### CAUTIONS:

#### Health and Safety:

ROCKCOAT may cause irritation to skin or eyes. In case of accidental contact with eyes. Immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

#### Fire:

ROCKCOAT is non flammable.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# L2

## PREMIXED PLASTER

A cementations ready mix plaster.

### DECORATIVE COATING

PREMIXED PLASTER is a cementations ready mix plaster. Keeping a homogeneous mix and its content in additives it allows better workability and curing. It is used in internal and external plastering works .

### SUBSTRATES

- Cast concrete.
- Pre fabricated concrete.
- Concrete blocks, bricks etc.

### ADVANTAGES

- pre-packed, easy to use only add water .
- precision made, constant result .
- shrinkage compensating .
- high build, non slump .
- excellent compressive strength .
- weather proof.

### APPLICATION

All substrates must be clean, and free dust. Mix manually mechanically a 25Kg. bags of premixed plaster to 4-5 liters clean water until homogeneous paste is obtained. Leave the mix five minutes apply by manually plastering trowel or mechanical projection machines.

### PACKAGING

Packing in 25 kg paper bag.

### STANDARDS

- 150/ASTM-C144
- C 897-96

### STORAGE

All materials should be stored under cover and clear of the ground. Protect from all sources of moisture and frost. Rotate stock in order not to exceed the shelf life of 12 months.

### CHARACTERISTICS

Appearance	Gray powder
Density	1.47+-0.01
Green size	0.02 to 2.0mm
Wet mix	< 2 hours
Initial adhesion	> 0.3 N/mm2
Bending strength	3+-1 N/mm2
Density of hardened products	1.8+-2 N/mm2
Coverage	1.5Kg/m2/1mm thickness

### PRECAUTION (HEALTH & SAFETY)

PREMIXED PLASTER is non flammable. As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instruction). Treat any splashes to the skin or eyes with fresh water immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure products is stored as instructed on the safety section of the labeling.

### PRECAUTION (HEALTH & SAFETY)

provides onsite technical assistance and guidance for use of our products. For further information consult technical services.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# PRODUCT Chemical Solutions

Polyweds range of Chemical Solution range involves spray-applied membranes, which in turn are suitable for both indoor and outdoor uses. Our chemical solution range is easy to apply and offers excellent protection to metal surfaces from rust and corrosion, moreover to general curing of large concrete surfaces such as airport runways, roads, and bridgeworks.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- ◆ C1 - Oil Based Curing compound
- ◆ C2 - Water Based Curing compound
- ◆ C3 - Primer Oxide



**polywud**

CONSTRUCTION CHEMICALS







## CHEMICAL SOLUTIONS



### Oil Based Curing compound

Polyweds oil-based curing compound is a clear solvent-based, ready-to-use formula of Resin and quick evaporating solvents, which cures, hardens, seals, and dustproof freshly placed and/or existing concrete. When properly applied, this product provides a breathable film that allows moisture in cured concrete to evaporate, hence Providing a durable, tough, uniform, long-lasting film finish on exterior concrete surfaces.

Areas for use:

- 1- Concrete areas that have been improperly cured or uncured concrete.
- 2- Provides resistance to areas that are exposed to chemicals, oil, grease, de-icing salts.
- 3- Surface areas that require hair-checking, cracking, dusting, spalling, and curing of other defects.

C1



### Water Based Curing compound

Polyweds water-based concrete curing compound is based on a low viscosity wax emulsion. It is supplied as a white emulsion which forms a clear film on drying. This product is formulated to be suitable for all general concreting applications and of particular benefit for large area concrete surfaces and may be used on the interior, exterior, vertical, and horizontal concrete surfaces. Once applied, it forms a water-based liquid membrane (therefore nonflammable) that retains an optimum amount of water present in freshly placed concrete to allow complete hydration of the cement.

Areas for use:

- 1- large areas of concrete surfaces, such as airport runways, roads, and bridgeworks
- 2- Applied via spray by creating a membrane to retain moisture in concrete which is ideal for effective curing
- 3- Areas that are exposed to hard-wearing, dust, surface cracking and shrinkage.

C2



### Primer Oxide

Polyweds primer oxide is alkyd-based primer use to create an antirust coating for metal surfaces. It is suitable for both indoor and outdoor use. This product contains zinc phosphate to give better anti-corrosion properties and offers excellent adhesion and efficiently protects metal surfaces from rust, and is available in grey and red/brown colors.

Areas for use:

- 1- It is used on new or old metal surfaces such as doors, railings, machinery, and tools
- 2- Provides surface protection for iron and steel and pretreated galvanized steel, copper or brass
- 3- Applied on rusty surfaces (after cleaning them) and is most ideal for exterior use

C3







# C1

## CURING COMPOUND OIL BASE

CURING COMPOUND OIL BASE CURING COMPOUND FOR FRESH CONCRETE SURFACES

**CURING COMPOUND** **OIL BASE**

Is a clear solvent-based, ready-to-use formula of Resin and quick evaporating solvents, which cures, hardens, seals, and dustproofs freshly placed and/or existing concrete.

### PROPERTIES

- When properly applied, breathable film allows moisture in cured concrete to evaporate.
- Provides a durable, tough, uniform, long-lasting film finish on exterior concrete surfaces.
- Cures, hardens, dustproofs, and seals freshly placed concrete simultaneously in one application.
- Minimizes hair-checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured concrete.
- Provides improved resistance to chemicals, oil, grease, de-icing salts Applies easily ... dries quickly for less downtime.

### SCOPE OF USE

May be used on freshly placed and finished exterior concrete surfaces. It is ideal for use on concrete surfaces, sidewalks, parking decks, driveways, etc., or any place a higher sheen finish.

### INSTRUCTION FOR USE

should be applied when surface water has completely disappeared and the concrete surface will not be marred by walking workmen. Use a sprayer or roller to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out.

For optimum performance, apply first coat. After the first coat has thoroughly dried, apply a second coat. NOTE: The second coat should be applied at a right angle.

### DOSAGE

4– 8 m<sup>2</sup>/L). Coverage may vary due to the texture and porosity of the substrate.

### PRECAUTIONS

Avoid close spraying at high pressure on fresh concrete. Coating is to be applied without dilution or thinning Block all HVAC ventilation ducts which may spread product odor. Use with adequate ventilation and keep away from open flame.

### PACKAGING

200 lit and 20 Lit

### STORAGE

When stored indoors in original, unopened containers at temperatures between 40° – 90° F, optimum performance and best use is obtained within one year of date of manufacture

### HEALTH AND SAFETY

Prolonged inhalation of vapors in excess of permissible exposure limits may result in symptoms of transient central nervous system depression.

Direct contact with the product may result in irritation of the skin and eyes. Product vapors may also cause irritation Remove ignition sources prior to use. Empty containers may hold combustible vapors. Handle empty containers as combustible liquids. In the event of a spill, contain the product; apply absorbents and place in sealed containers. In the event of a fire, contain all run-off water



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



# C2

## CURING COMPOUND WATER BASE

Water based concrete curing compound

**CURING COMPOUND** **WATER BASE**

CURING COMPOUND water based concrete curing compound is based on a low viscosity wax emulsion. It is supplied as a white emulsion which forms a clear film on drying. When first applied to a fresh cementitious surface the emulsion breaks to form a continuous, non-penetrating white coating. This dries to form a continuous clear film which provides a barrier to moisture loss, ensuring more efficient, cement hydration, improved durability and reduced shrinkage. It contains a white pigment based on titanium dioxide to meet specifications requiring such pigmentation for reduction of solar temperature gain.

### PROPERTIES

- When properly applied, breathable film allows moisture in cured concrete to evaporate.
- Provides a durable, tough, uniform, long-lasting film finish on exterior concrete surfaces.
- Cures, hardens, dustproofs, and seals freshly placed concrete simultaneously in one application.
- Minimizes hair-checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured concrete.
- Provides improved resistance to chemicals, oil, grease, de-icing salts
- Applies easily ... dries quickly for less downtime.
- Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust free surface and minimising potential for surface cracking and shrinkage.

### SCOPE OF USE

May be used on freshly placed and finished exterior concrete surfaces. It is ideal for use on concrete surfaces, sidewalks, parking decks, driveways, etc., or any place a higher sheen finish is desired.

### DOSAGE

(3.5– 5 m<sup>2</sup>/L). Coverage may vary due to the texture and porosity of the substrate.

### PRECAUTION

Avoid close spraying at high pressure on fresh concrete.

### INSTRUCTION FOR USE

should be applied when surface water has completely disappeared and the concrete surface will not be marred by walking workmen. Use a sprayer or roller to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out. For optimum performance, apply first coat. After the first coat has thoroughly dried, apply a second coat. NOTE: The second coat should be applied at a right angle.

### PACKAGING

200 lit and 20 Lit

### STORAGE

When stored indoors in original, unopened containers at temperatures between 40° – 90° F, optimum performance and best use is obtained within one year of date of manufacture

### HEALTH AND SAFETY

CURING COMPOUND water based does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes either in bulk or spray form.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately.



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.





# C3

## OXIDE PRIMER

HIGH QUALITY ALKYD BASED ANTI-CORROSION PRIMER FOR IRON & STEEL

**PRIMER ANTI CORROSION**

OXIDE PRIMER is a high quality, alkyd based primer with excellent coverage. It contains zinc phosphate to give better anti-corrosion properties. It is suitable for iron and steel and pretreated galvanized steel. Available in Grey and Red colors.

### PRODUCT INFORMATION

- After suitable surfaces preparation, apply 1 or 2 coats of OXIDE PRIMER
- If the surface has been blast cleaned Finish with an appropriate over coat.

### SURFACE PREPARATION

- Ensure surfaces are sound, dry and free from grease, wax and oil.
- In case of iron and steel, remove all loose scale and rust by thorough scraping and wire brushing. Where necessary, surfaces, should be blast cleaned.

### PRECAUTION

- Flammable.
- Ensure good ventilation during application and drying.
- If swallowed seek medical advice. Wear suitable mask and eye protective goggles.
- Avoid contact with direct sunlight.

### CONTACT

FOR MORE INFORMATION, PLEASE CONTACT PHONE NO 0096626204224

### INSTRUCTION FOR USE

COVERAGE	Approx 13m <sup>2</sup> /Kg@30mic dft
APPLICATION	Brush/Roller/Spray
THINNER	White Spirit
DRYING	Min 1hour touch dry
RECOATING	After 6-10 Hours
CLEANING OF TOOLS	White Spirit
FLASHPOINT	40 °C
DENSITY	1.12+0.02g/cm <sup>3</sup>



**LEGAL DISCLAIMER:** Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.



For more information about our products and services  
please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)



PRODUCT

# Tools and Safety Equipment

There are several equipment that can be used in the construction industry. These are used for both large and small scale purposes. Various types of Equipment are being used for Building & structural Construction, Road construction, underwater and other marine construction work Power projects etc. There are various operations that are involved in construction projects

Today Polywed offers a simple range of complimentary construction tools, building equipment, and safety gear that can be located in our flagship store and on our website.

Please visit our website [www.polywed.com.sa](http://www.polywed.com.sa)

- Chisel
- Putty Knife
- Trowels
- Reflective Jackets
- Safety Helmets
- Nails (different sizes)
- Hammers
- Electric Drills
- Epoxy Rolls
- Paint Brushes







## PRODUCT

# Sustainable Construction Products

Environmental impact is a wide topic that more people and sectors of the economy are paying attention to when making daily living and business decisions. Today in Saudi Arabia information on the issue is particularly coming to light in our local construction industry, which traditionally is known for its harsh impacts on natural resources and environments.

Numerous eco-friendly building materials have emerged in the marketplace to reduce the environmental impact of building construction and operations, the biggest example of this would be the Saudi mega project of **NEOM** city.

Our research and development team is currently formulating and acquiring a range of products that simply generate less waste, who use renewable raw materials, and finally are more durable than common building materials.

For more information on Polyweds sustainable building materials please contact us directly for the latest information. [www.polywed.com.sa](http://www.polywed.com.sa)



**polywéd**

CONSTRUCTION CHEMICALS



00

TECHNICAL  
**Service**

03

# Index

Specialized Delivery	163
Consultation and technical Support	164
Export of product	165
Sampling and product demonstration	166
Custom built product development	167
Product application	168

# SPECIALIZED Delivery



**LOCAL DELIVERY**  
24 to 48 hours

**WAREHOUSES**  
7 warehouses in KSA

**TRACKING**  
Using our mobile app

**DELIVERY SUPPORT**  
Available for convenience

The order has been approved by the production department. These products are delivered either directly from the factory warehouse in Rabigh, Saudi Arabia or our nearest distributing warehouse across the kingdom. Delivery time highly depends on the region and weather conditions.

Custom-built products with exclusive product specifications and packaging demanded by our clients take up to 72 hours for local delivery, after the initial production and packaging of the custom-built products. (The delivery time for custom built products does not include international distribution)

**LEGAL DISCLAIMER:**

Local Delivery time depends on region, weather conditions, order capacity, order priority, credit limit and local politics



# CONSULTATION AND Technical support

## DATASHEETS AND MOS

Ready for your questions

## CONSULTATIONS

Products that fit your need

## INFORMATION ACCURACY

Constantly updated

## SPECIFICATION STRATEGY

Catering to your resource limit

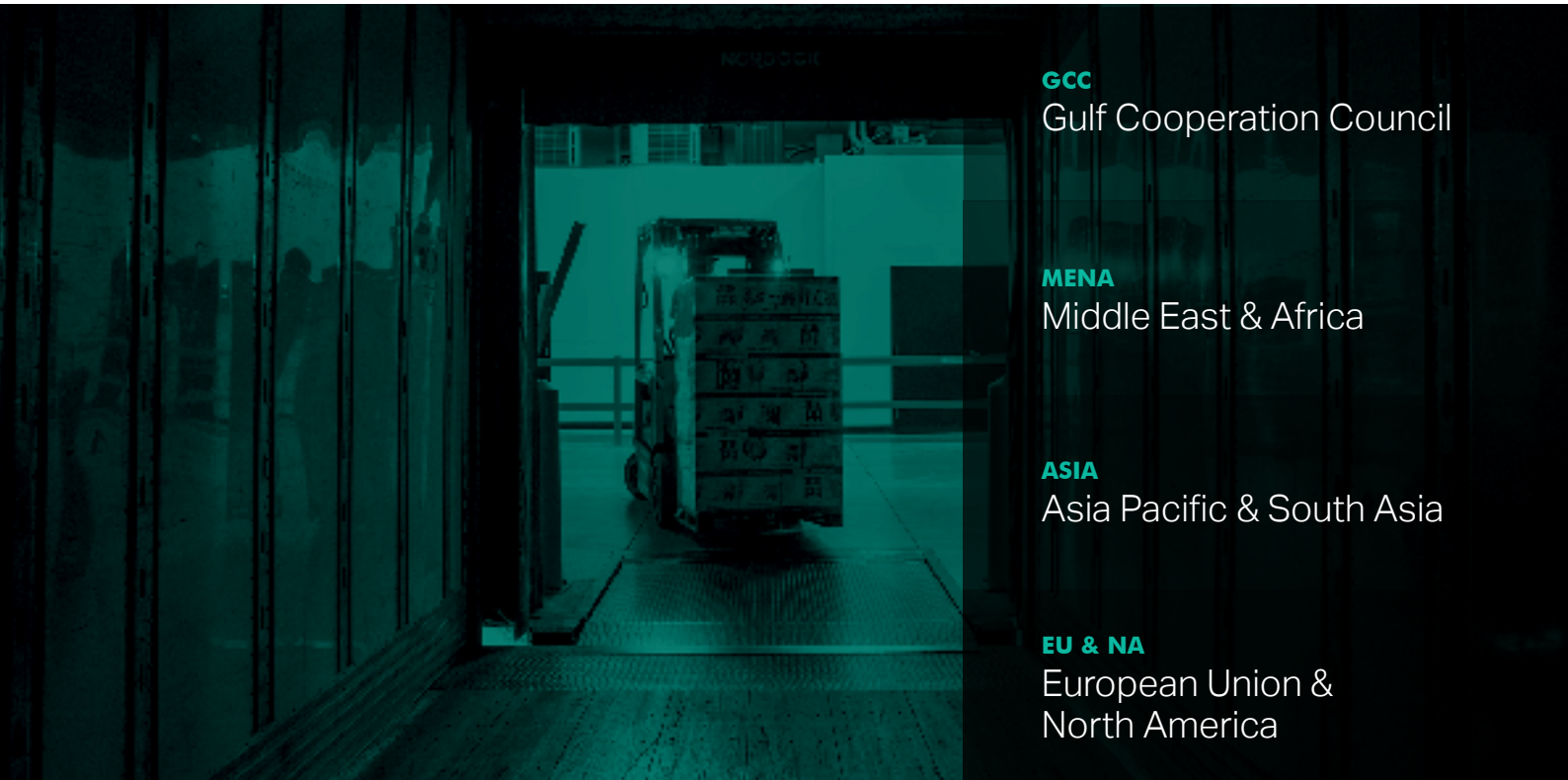
Our service professionals are available whenever our clientele needs them (exception of official Saudi Holidays) our staff are always ready to make it easy to access the technical information about your construction products and answer any questions you may have regarding technical support. We ensure the data you provide our customers is true, consistent and accurate.

Moreover, we make it easy to access the technical information about our construction products through our website or through our corporate landline which makes it easy for the service experts to contact you. In addition to our technical know-how, our logistics department makes it easy to deliver any product or service within our clientele resource limit and financial capacity in addition to incorporating technical support into your specification strategy.

#### LEGAL DISCLAIMER:

Polywed endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Polywed has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of the Technical Data sheets are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated of the technical Data Sheets.

# EXPORT OF Product



**GCC**  
Gulf Cooperation Council

**MENA**  
Middle East & Africa

**ASIA**  
Asia Pacific & South Asia

**EU & NA**  
European Union &  
North America

We offer a personalised export service for countries within our regional reach and distribution capacity, with the right combination of cost and transit time as a total solution to accommodate our International customer's needs & requirements. Our Logistics department follows up directly with the customer from shipment our local factory, till product delivery at the agreed point. For international shipments outside our regional reach and distribution capacity, we give our international clientele two options:

1- Our clients would contract with an exporting company, providing they are located Saudi Arabia this means you would have a direct communication line with them. We work closely with our clients to ensure fast and cost-effective delivery to the agreed point.

2- Another option would be an internal agreement between Polywed and our international client, where we will conduct all the necessary procedures to deliver the products and to the agreed point. However, it is to be noted that all payment procedures and corporate liability will be managed by you fully.

# SAMPLING AND Product Demonstration

## FREE SAMPLES

Distribution of product sample

## TECHNICAL EXPERTISE

Sharing product know-how

## PRODUCT ENGAGEMENT

Advising on correct usage

## APPLICATION METHODOLOGY

What to consider before application



We understand the consumers' needs to ensure that the product being delivered to them is of the highest quality and standard, hence we provide our consumers with samples so that they can see the finished results for their very own. If needed, once our products are approved by the site manager, Polywed sends its technical experts to demonstrate product application ensuring 100% efficiency in trial product demonstration for all our merchandise.

Our team can deliver a try-before-you-buy experience to consumers on an agreed upon location, handing out free samples, engaging with both the builders and project managers to ensure that they have both the technical experience in understanding how, when and where our products should be used.

# CUSTOM BUILT Product Development



## PRODUCT

Formulation and creation

## PACKAGING

Design and development

## DATASHEET & MOS

Development & Branding

## MARKETING

Digital & physical support

We pride ourselves on our diverse team of professional chemical engineers, each with different backgrounds of technical expertise; hence, Polywed is able to custom engineer and implement particular product specifications demanded by our clientele and package them accordingly. By doing so, we ensure that that our client's needs and wants are being completely satisfied.

We pride ourselves on outstanding customer service and product quality. Whether you are a current customer, or a potentially a new customer, we take a genuine interest in your product requirements. customer loyalty is a priority at Polywed chemical constructions hence we offer the following services:



# PRODUCT Application

## SERVICE PROFESSIONALS

Hand-selected professionals

## PRODOT KNOW-HOW

Detailed Application knowledge

## CORRECT APPLICATION

Mistake free implementation

## SERVICE GUARANTEE

3-year service guarantee



Our team of technical experts are ready to correctly and efficiently apply our series of high-performance building materials and chemical solutions for your convince and ease of mind. All you need to do is request “product application service” from our sales team after finalizing the sale of any of Polyweds unique products. After that and according to the availability of our technical experts you will be given both a time and price for the application service. Depending on your projects size, we highly recommend utilizing our team of experts, who have full understanding of Polyweds products and will provide you with unmatched technical application of the product to ensure maximum efficiency and durability.

Step 1- Finalize the sale of Polyweds Products

Step 2 - Request “Product application service” from the sales team

Step 3 - Approve independent service quotation

Step 4 - An appointment will be given

Step 5 – follow waiting time instructions from our service professionals

Step 6 – Provide our Customer service team with your feedback

04

**ACCREDITATIONS AND  
Technical Submittals**

04



# Index

Project Certifications	161
Product Certifications	162
Factory Compliances	163

<b>Project Name</b>	<b>Taif University – Female Campus (Khomra Branch)</b>		
<b>Construction Co.</b>	Rabaya Trading and Agriculture Co.		
<b>Contractor</b>	AD Engineering Co		
<b>Approved Products</b>	T1 – Tile Adhesive No 1	T2 – Tile Adhesive Plus	G1 – Polywed Grout
	R1 – Repair 900	R5 – Grout Repair HF	W1 – Roofcoat
	E1 – Epoxy 770		



**AD Engineering Co.**  
Humoud Al-Salmi & Partners  
Project Management - Urban Planning  
Design - Supervision - Value Studies  
Engineering Arbitration - Training



[www.adeng.com.sa](http://www.adeng.com.sa)

**آد للمهندسة**

شركة حمود السالمى وشركاه  
للإستشارات الهندسية  
إدارة مشاريع - تخطيط عمراى - تصميم  
إشراف هندسة الهدية - تكليم هندسى - تدريب

الرقم: ١٧٢ / ع - موقع / ٢٠١٥ م  
التاريخ: ١٤٣٦/٠٨/٠٩ هـ الموافق: ٢٠١٥/٠٥/٢٧ م  
المشروع: مبنى المعامل (طلاب) و (طالبات) - جامعة الطائف فرع الحرمه  
المقاول: شركة رابية للتجارة والزراعة المحدودة .  
الموضوع: اعتماد مورد إضافى .

المحترم  
سعادة مدير الادارة الهندسية والمشاريع - جامعة الطائف

إشارة إلى الموضوع أعلاه و إلى تقديم المقاول شركة رابية لتقديم مورد إضافى  
**THE PROGRESSIVE CENTE FOR CONSTRUCTION CHEMICALS**  
وقد تم الأطلاع على ( DATA SHEET )  
عليه : نوصى بالإعتماد

S.N	PRODUCT
1	TILE ADHESIVE POLYWED NO.1
2	TILE ADHESIVE POLYWED PLUS
3	POLYWED GROUT
4	POLYWED REPAIR 700
5	POLYWED REPAIR 300
6	POLYWED GROUT HF
7	ROOFCOAT ACRYLIC WATERPROOFING
8	POLYFLEX ACRYLIC WATERPROOFING (CEMENT BASE)
9	POLYWED EPOXY

والمسلم عليكم ورحمة الله وبركاته ،،

مدير المشروع  
/ احمد مصطفى حسن



آد للمهندسة  
حمود السالمى وشركاه  
شؤون الحرمه  
AD Engineering Co.  
H AL SALMI & PARTNERS  
Supervision - Project

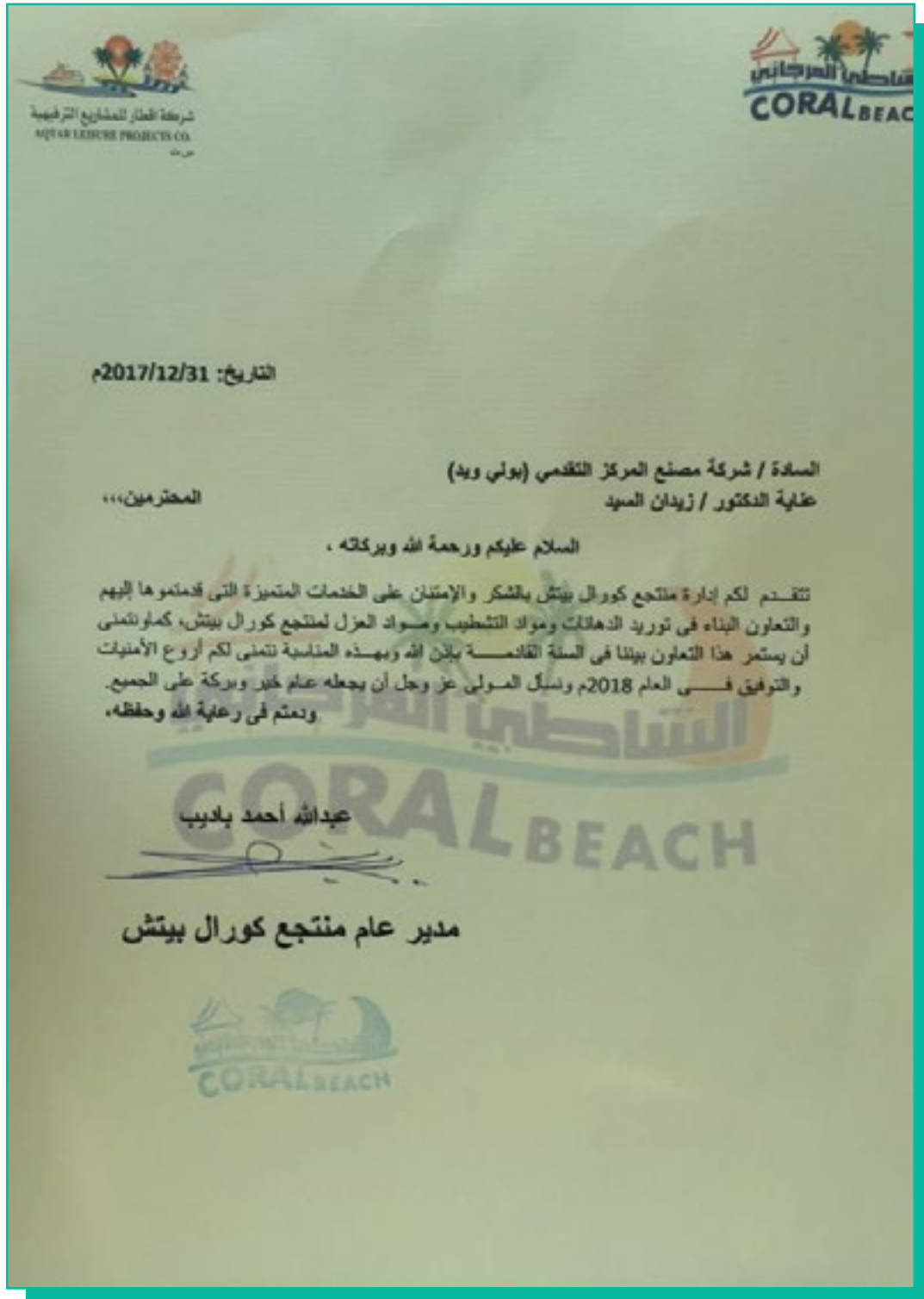
• صورة لملف المشروع .  
• صورة لملف الصادر .

ص.ب ٩٣١٥٥ الرياض ١١١٧٣ المملكة العربية السعودية - هاتف ٩٦٦٦ ٢٠٥ ٩٦٦٦ - فاكس ٩٦٦٦ ٢٠٥ ٩٦٦٦ - (عضوية ١٥٣٠٣١)  
P.O.Box 93155 Riyadh 11673 Kingdom of Saudi Arabia - Tel. +966 11 205 9666 Fax: +966 11 205 9777(C.C.153031)  
Email: rivadh@adeno.com.sa


<b>Project Name</b>	<b>King Abdullah Sport City Stadium</b>
<b>Construction Co.</b>	Bin Ladin Construction Group
<b>Contractor</b>	Ola Mohammad Al Maghrabi Co.
<b>Approved Products</b>	E1 – Epoxy 770      E3 – Epoxy Primer W1 – Roofcoat



<b>Project Name</b>	<b>Coral Beach Resort</b>		
<b>Construction Co.</b>	Aqtar Leisure Projects Co.		
<b>Contractor</b>	Polywed Technical Service Team		
<b>Approved Products</b>	W9 – Deck Sealant	W3 – Poly Flex	E1 – Epoxy 770
	E3 – Epoxy Primer		



**Project Name** Building at Al Salama Dist.  
**Construction Co.** Al Hasad Economic Construction Est.  
**Contractor** Al Hasad Economic Construction Est.  
**Approved Products** T3 – Super GP 770



مؤسسة حصاد الإقتصادية للمقاولات

Project : Building at Al Salama 1  
 Contractor : Al Hasad .

### MATERIAL SUBMITTAL

Purpose of Submittal:  EQUIPMENT  FOR INFORMATION  OTHER  
 MATERIAL  FOR APPROVAL  FOR CONSTRUCTION / FABRICATION

DISCIPLINE:  CIVIL  LD  ARCHITECTURAL  MECHANICAL  STRUCTURAL  ELECTRICAL

New Submittal    Submittal No. ( S21 )    Date of Submittal : (03/03/2015)    SUB-Cont./Manufacturer    REF DWG. NO.  
 Resubmitted    Prev. Submittal No.    Date of Receipt :    Polywed

Information Submitted Attached     Operation & Maintenance Manual     Test Results  
 Certificates     Spare Parts List     Calculations Report  
 Technical Brochure     Drawings     Proposals  
 Manufacturers Data & Specs.     Warranty     Catalogue

MATERIAL / EQUIPMENT    Note : Please use attachment in case items are more than provided space .

Item	Name, No. and Description	Origin	Manufacture/ supplier	Spec/Ref	S.D.Q Ref	App. Code	Sample
1	Super GP tile adhesive	Saudi	Polywed			265	
2							
3							
4							

Contractor's remarks & Exceptions  
 Approved for Fixed tile

Submitted by: *مؤسسة حصاد الإقتصادية للمقاولات*  
 Name & Signature: *محمد بن أحمد باعقل*  
 Date: 2015/05/18



Rec'd By: *سبواث انجنيئرنگ كونسولٲنٲس*  
 Name & Signature: *محمد بن أحمد باعقل*  
 Date: 2015/05/18

Consultants Comment/Remarks:  
 The sample has been tested and show compliance with the specifications and standards.  
 Materials applied in our projects.

ACTION

1	Approved As Submitted	For: <i>super GP tile adhesive</i>	Rec'd By:
2	Approved As Noted Resubmission not required	Name: <i>محمد بن أحمد باعقل</i>	Name:
3	Approved As Noted Resubmission required	Position: <i>مدير المشروع</i>	Position:
4	Disapproved	Signature: <i>محمد بن أحمد باعقل</i>	Signature:
5	No Action Taken	Date: 2015/05/18	Date:


Hasaad Economic Est. For Construction

www.Hasaad-Estate.com

Kingdom Of Saudi Arabia - Jeddah - P.O.Box: 3484 Jeddah: 21471  
 Tel : + 966 (2) 657 9763 - Fax : + 966 (2) 657 9762 - Reg N : 4030217768

**Project Name** Building at Al Salama Dist.  
**Construction Co.** Al Hasad Economic Construction Est.  
**Contractor** Al Hasad Economic Construction Est.  
**Approved Products** E5 – Epoxy Putty

**Hasaad Economic Est. Construction**  **مؤسسة حصاد الإقتصادية للمقاولات**

Project : Building at Al Salama 1  
 Contractor : Al Hasad .

### MATERIAL SUBMITTAL

Purpose of Submittal  EQUIPMENT  FOR INFORMATION  OTHER  
 MATERIAL  FOR APPROVAL  FOR CONSTRUCTION / FABRICATION

DISCIPLINE  
 CIVIL  LD  ARCHITECTURAL  MECHANICAL  STRUCTURAL  MEDICAL

New Submittal Submittal No. ( 578 ) Date of Submittal : ( 08/01/2018 ) SUB-Cont./Manufacturer REF.DWG.NO.  
 Resubmitted Prev. Submittal No. ( ) Date of Receipt : Polywed

Information Submitted Attached  Operation & Maintenance Manual  Test Results  
 Certificate  Spare Parts List  Calculations Report  
 Technical Brochure  Drawings  Proposals  
 Manufacturers Data & Specs.  Warranty  Catalogue

**MATERIAL / EQUIPMENT** Note : Please use attachment in case items are more than provided space .

Item	Name, No. and Description	Origin	Manufacturer/ supplier	Spec/Ref	B.O.Q. Ref	App. Code	Sample
1	Epoxy Putty	Saudi	Polywed			236	
2							
3							
4							

Contractor's remarks & Exceptions  
 Approved for garage parking

Submitted by contractor: مؤسسة حصاد الإقتصادية للمقاولات  
 Name & Signature : فيصل العبدالمعالي  
 Date : 2018/01/08

Rec'd By Sabbath Engineering Consultants  
 Name & Signature : فيصل العبدالمعالي  
 Date : 2018/01/11


The sample has been tested and shows compliance with the specifications and standards

Materials applied in our projects

ACTION


1	Approved As Submitted	For : Epoxy putty	Rec'd By:
2	Approved As noted Resubmission not required	Name:	Name:
3	Approved As noted Resubmission required	Position:	Position:
4	Disapproved	Signature:	Signature:
5	No Action Taken	Date:	Date:

**Hasaad Economic Est. For Construction**

 **www.Hasaad-Estate.com**  
 Kingdom Of Saudi Arabia - Jeddah - P.O.Box: 3404 Jeddah: 21471  
 Tel : + 966 (2) 657 9763 - Fax : + 966 (2) 657 9762 - Reg N : 4030217768



**Project Name** Building at Al Salama Dist.  
**Construction Co.** Al Hasad Economic Construction Est.  
**Contractor** Al Hasad Economic Construction Est.  
**Approved Products** G1 – Polywed Grout



Hasaad Economic Est. Construction مؤسسة حصاد الاقتصادية للمقاولات

Project : Building at Al Salama 2  
 Contractor : Al Hasad .

### MATERIAL SUBMITTAL

Purpose of Submittal  EQUIPMENT  FOR INFORMATION  OTHER  
 MATERIAL  FOR APPROVAL  FOR CONSTRUCTION / FABRICATION

DISCIPLINE  
 CIVIL  I.D.  ARCHITECTURAL  MECHANICAL  STRUCTURAL  ELECTRICAL

New Submittal Submittal No. ( 499 ) Date of Submittal : ( 13/05/2019 ) SUB-CONT./MANUFACTURER Polywed REF./DWG. NO.  
 Resubmitted Prev. Submittal No. ( ) Date of Receipt : ( )

Information Submitted Attached  Operation & Maintenance Manual  Test Results  
 Certificates  Spare Parts List  Calculations Report  
 Technical Brochure  Drawings  Proposal  
 Manufacturer's Data & Specs.  Warranty  Catalogue

MATERIAL / EQUIPMENT Note : Please use attachment in case items are more than provided space .

Item	Name, No. and Description	Origin	Manufacture/Supplier	Spec/Ref	S.O.Q Ref	App. Code	Sample
1	Polywed Grout	Saudi	Polywed			121	
2							
3							
4							

Contractor's remarks & Exceptions  
 Approved for tile adhesive




Submitted by contractor: مؤسسة حصاد الاقتصادية للمقاولات  
 Name & Signature : فيصل أحمد باعقيل  
 Date : 13/05/19  
 Rec'd By: Sabhath Engineering Consultants  
 Name & Signature : محمد شمس محمد  
 Date : 13/05/19

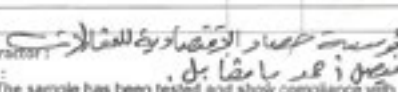
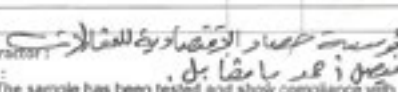
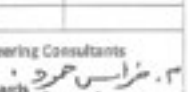

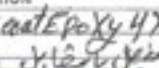


Consultants Comment/Remarks  
 The sample has been tested and show compliance with the specifications and standards  
 Materials applied in our projects

ACTION  
 1 Approved As Submitted  For: Polywed Grout  
 2 Approved As Noted Resubmission not required  
 3 Approved As Noted Resubmission required  
 4 Disapproved  
 5 No Action Taken

Hasaad Economic Est. for Construction  
 Kingdom Of Saudi Arabia - Jeddah - P.O.Box: 3484 Jeddah: 21473  
 Tel : + 966 (2) 657 9763 - Fax : + 966 (2) 657 9762 - Reg N : 4030217788

**Project Name** Building at Al Salama Dist.  
**Construction Co.** Al Hasad Economic Construction Est.  
**Contractor** Al Hasad Economic Construction Est.  
**Approved Products** E2 – Super Coat 550

Project :Building at Al Salama 1	
Contractor : Al Hasad .	
<b>MATERIAL SUBMITTAL</b>	
Purpose of Submittal	<input type="checkbox"/> EQUIPMENT <input type="checkbox"/> FOR INFORMATION <input type="checkbox"/> OTHER <input type="checkbox"/> MATERIEL <input type="checkbox"/> FOR APPROVAL <input checked="" type="checkbox"/> FOR CONSTRUCTION / FABRICATION
DISCIPLINE	
<input checked="" type="checkbox"/> CIVIL <input type="checkbox"/> LD <input type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> MECHANICAL <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> ELECTRICAL	
<input type="checkbox"/> New Submittal	Submittal No. ( 485 )    Date of Submittal : ( 08/01/2018 )    SUB-Coat./Manufacturer    REF.DWG.NO.
<input type="checkbox"/> Resubmitted	Prev. Submittal No.    Date of Receipt :    Polywed
<input type="checkbox"/> Information Submitted Attached	<input type="checkbox"/> Operation & Maintenance Manual <input checked="" type="checkbox"/> Test Results
<input type="checkbox"/> Certificates	<input type="checkbox"/> Source Items List <input type="checkbox"/> Calculations Report
<input checked="" type="checkbox"/> Technical Brochure	<input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Proposals
<input type="checkbox"/> Manufacturers Data & Specs .	<input type="checkbox"/> Warranty <input type="checkbox"/> Catalogue
MATERIAL / EQUIPMENT    Note : Please use attachment in case items are more than provided space .	
Item	Name, No. and Description
1	Supercoat 4x4 Epoxy
2	
3	
4	
Origin	Manufacture/ supplier
	Polywed
Spec/Ref	S.O.Q. Ref
	App. Code
	156
	Sample
	Faisal
Contractor's remarks & Exceptions	
Approved for garage parking	
	inc.    Sgn.
	PK6
	SITE
	MATER
	STRUC.
	CIVIL
Submitted by contractor:  Name & Signature:  Date: 5/10/18	
Rec'd by Sabbath Engineering Consultants Name & Signature:  Date: 5/10/18	
	
ACTION	
1	Approved As Submitted <input checked="" type="checkbox"/>
2	Approved As Noted Resubmission not required
3	Approved As Noted Resubmission required
4	Disapproved
For: <b>SUPER COAT EPOXY 4X4</b> Name:  Rec'd by:    Name:    Position:    Signature:    Date:	
Date: 5/10/18    Hasaad Economic Est. For Construction    Date:	
	
 www.Hasaad-Estate.com	
Kingdom Of Saudi Arabia - Jeddah - P.O.Box: 3484 Jeddah: 21471 Tel : + 966 (2) 657 9763 - Fax : + 966 (2) 657 9762 - Reg N : 4030217758	

<b>Project Name</b>	<b>American International School of Jeddah</b>
<b>Construction Co.</b>	Khaznah Nasser Hamoud Al Otaubi Trading Est.
<b>Contractor</b>	Polywed Technical Service Team
<b>Approved Products</b>	T1 – Polywed No. 1



مؤسسة خزنة ناصر حمود العتيبي التجارية

Khaznah Nasser Hamoud Al-Otaubi Trading Est.

س.ت ٦١١ - ٣٣٠٣٠٤ رقم المشوية ١٤٤٢٧٥

إلى من يهمة الأمر

السلام عليكم ورحمة الله وبركاته

نفيد سيادتكم بان الفراء الذي يورد ألينا من شركة مصنع المركز التقدسي لكيماويات مواد البناء قد نال رضا الصلاء لدينا ومعظمين تركيب السيراميك وهو مطابق للمواصفات والشروط الفنية المعتمدة لدينا واللازمة لتركيب السيراميك والبورسلين .

شاكرين ومقدرين لكم حسن تعاونكم

مؤسسة خزنة ناصر حمود العتيبي التجارية

المهنا للرخام والسيراميك




المركز الرئيسي ، جدة - شارع التحلية - هاتف، ١٧٠١٢٨ / ٧٥١٩٨٧ - فاكس، ١٧٠٠٤٣١ فرع الخط السريع تلفاكس، ٦٥٥٩١١٣  
 Head Office : Jeddah - Al Tahla St. Tel. 6701838 / 6751987 - Fax : 6700531 Branch Highway Tokfax : 6559913  
 E-mail : almuhamma-m-c@hotmail.com

<b>Project Name</b>	<b>Private Villah for Sheikha Haya Al Sunaidi</b>	
<b>Construction Co.</b>	Neem Contracting Co.	
<b>Contractor</b>	Polywed Technical Service Team	
<b>Approved Products</b>	B3 – Bond SBR	T4 – French Adhesive
	Y2 – Crackfiller	L1 – Rockcoat



**Project Name**  
**Construction Co.**

**Jeddah Flood control – Wadi Muthab & Wadi Gulail**  
Jeddah Development and Urban Regeneration Co.

**Contractor**

Al Rabaya Trading and Agriculture Co.

**Approved Products**

W4 - Acrylic Sealant

PROJECT: JEDDAH FLOOD CONTROL - WADI MUTHAB & WADI GULAIL CHANNELS

Jeddah Development & Urban Regeneration Co. Contractor: Rabaya Trading & Agriculture Co., Ltd. P.O. Box 5136, Jeddah 21432, Saudi Arabia

### MATERIAL SUBMITTAL

MATERIAL     EQUIPMENT     OTHER

PARTIAL SUBMITTAL     For Approval     For Construction / Fabrication     FOR INFORMATION

CONCRETE     CIVIL     LD     ARCHITECTURAL     MECHANICAL     ELECTRICAL     STRUCTURAL

New Submittal    Submittal No.    Date of Submittal    Submittal/Manufacturer    REF. DWG. NO.

Resubmitted    Prev. Submittal No.    Date of Receipt

Information Submitted Attached     Operation & Maintenance Manual     Test Results

Certificate     Spare Parts List     Calculation Report

Technical Brochure     Drawing     Proposal

Manufacturer's Data & Specs.     Warranty     Catalogue

**MATERIAL REQUIREMENT**    Note: Please use attachments in case items are more than approved sizes

Item	Quantity	Brand, No. and Description	Origin	Manufacturer/Supplier	SPM No.	EQ. Q. No.	App. Code	Sample
1		ACRYLIC SEALANT ( POLYMER )		THE PROGRESSIVE CENTER FOR CONSTRUCTION				

Contractor's Remarks & Exceptions

Submitted by Contractor: *[Signature]*    Rabaya Trading & Agriculture Co.    Partially Submittal Engineering Consultant Name & Signature: *[Signature]*

Date: / / 2023    Date: / / 2023

Consultant's Comments/Remarks: *[Handwritten Arabic text and signature]*

**ACTION:**  Approved As Submitted     Approved As Noted Resubmission Not Required     Approved As Noted Resubmission Required     Disapproved     No Action Taken

For: Jeddah Engineering Consultants    Name:    Position:    Signature: *[Signature]*    Date: / / 2023

Rev'd By RAHBA    Name:    Signature:    Date: / / 2023







<b>Project Name</b>	<b>Modon - Saudi Industrial City 2 – Labour Housing</b>
<b>Construction Co.</b>	Al Musanadah Al Eskania Company
<b>Contractor</b>	Sama Al Shahba General Contracting Co.
<b>Approved Products</b>	T2 – Tile Adhesive Plus



**SAMA AL SHAHBA**  
General Contracting

**سما الشهباء**  
التقانات العامة

الرقم : M2020388

التاريخ : 2020/02/07

اسم المشروع: شركة المساندة الاسكانية السكني (الصناعية الثانية)

المسادة: شركة مصنع المركز النظمي

السيد: غيث الرفاعي

المحترمين  
المحترم

شهادة اعتماد مواد بوليويدي

نفيدكم بأنه قد تم اعتماد المواد (مواصفات سعودية بتقنية المتابعة) للمشروع المذكور اعلاه

**ADHESIVE POLYWED PLUS 20Kg / اسم المادة**

مدير العقود والمشتريات



محمد الرحمن محمد



شركة سما الشهباء العامة للتقانات  
**SAMA AL SHAHBA Co. Ltd.**  
تسجيل: 1026534 جدة 21352، ك.س.أ.  
www.samaalshahba.com

Sama Al Shahba Ltd. (L.L.C) - Million Riyals capital  
Investment Licence # 112031075272  
KSA, Jeddah جدة  
☎ +9662- 261 5082 ☎ +9662- 261 5083  
P.O. Box 126534 Jeddah 21352, KSA  
✉ info@samaalshahba.com  
www.samaalshahba.com


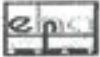
شركة سما الشهباء العامة للتقانات (م.س.أ.) - (ألفين ريال عاصمة)  
سجل تجاري: C.R 4030211487  
Syria, Aleppo, Masaya Co.  
سوريا - حلب - ماسايا  
☎ +963 (21) 529 2633, +963 944 926354  
✉ sy@samaalshahba.com

UAE, Dubai, Al Shahba Co.  
الإمارات - دبي - سما الشهباء العامة للتقانات  
☎ +971 (04) 548 0301, +971 508 711039  
✉ ae@samaalshahba.com

**Project Name**                      **Gardenia Luxury Residence**  
**Construction Co.**                SEDCO Development Co.  
**Contractor**                         GIC ltd for Contracting & Electro Mechanical Works  
**Approved Products**              T2 – Tile Adhesive Plus

 TYA & Associates Consultant	 SEDCO Development	 GIC Ltd For Contracting & Electro-Mechanic Works
<b>MATERIAL SUBMITTAL</b>		
Date :	13-Sep-15	No.: 25
Project :	Gardenia Residence	
Subject :	POLYWED TILE ADHESIVE	
<b>Submittal Reference</b>		
Drawing No. :	_____	Specification Page : _____
B. O. Q. Page :	7	Item : 9.1
Paragraph :	_____	Detail : _____
<b>Nature of Submittal</b>		
<input checked="" type="checkbox"/> Sample	<input checked="" type="checkbox"/> Catalogue	<input type="checkbox"/> Certificates
<input type="checkbox"/> Manufacturer Data	<input type="checkbox"/> Instruction / Procedures	
<input type="checkbox"/> Others:	_____	
<b>Contractor's Remarks</b>		
POLYWED TILE ADHESIVE		
TILE ADHESIVE FOR CERMIC TILES USED FOR FLOOR AND WALLS		
Color : white and grey		
<b>Consultant's Remarks</b>		
* plz. submit two 2 alternatives.		
* Expiry date to be clearly written/shown on Sample Bag.		
<div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center; margin-left: 10px;"> <span style="font-size: 2em;">}</span> </div>		
<b>Action :</b>		
<input type="checkbox"/> Approved	_____	<input type="checkbox"/> Re-Submit _____
<input checked="" type="checkbox"/> Approved with Comments	Sept. 14, 2015	<input type="checkbox"/> Disapproved _____
<b>Contractor's Representative</b>	<b>Consultant's Representative</b>	<b>Consultant (P.M)</b>
Name : <i>Rami Hassar</i>	Name :	Name : <i>Ali Omar</i>
Signature: <i>[Signature]</i>	Signature :	Signature : <i>[Signature]</i>

**Project Name** Shamala Pharmaceutical Factory.  
**Construction Co.** Saudi Amana Contracting Co. Ltd.  
**Contractor** Saudi Amana Contracting Co. Ltd.  
**Approved Products** G1 – Poly Grout G2 – Antibacterial Grout

**MATERIAL APPROVAL REQUEST**

Contractor: Saudi Amana Contracting Company Limited

PROJECT : SHAMLA PHARMACEUTICAL FACTORY.	Material Sub. No. : MAT-F-47A-R02
OWNER :	Date : 03-Mar-2018

TO :  
 ATTENTION : Engr. A.Shawky  
 FROM : Saudi Amana Contracting Company Limited.  
 SUBJECT : Submittal Request.

Dear Sir,  
 We hereby submit the following for your review and approval:


ITEM	DESCRIPTION	ENCLOSURE
Tile Grout	POLYWED TILE GROUT Cement-based joint grout for joists	Colour Chart # (15)
MANUFACTURE/ORIGIN: POLYWED		
SUPPLIER: POLYWED		
LOCATION: All Site		
SPECIFICATIONS/ DRAWING: BOQ Section 9-Finishes		

REVIEW COMMENTS	APPROVED	RESUBMIT	DISAPPROVED
Use for beige color tiles only!	[Signature]		


Submitted by: [Signature]  
 Name: Engr. Nawaf Al Saboun  
 Project Manager  
 Date:

Received/Checked by: [Signature]  
 Name: Engr. A.Shawky  
 Project Manager  
 Date: 3/4/18  
 Attached approved sample onsite photos

Owner: [Signature]  
 Signature:



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** T1 – Tile Adhesive No. 1



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port - Passenger Bay*  
 Contractor: *Saudi Tamas*  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

New Submittal  
 Resubmittal

1- Subject

2- Submittal Description: **Tile Adhesive Number 1 (T1)**

3- Area of Application: *Fixing Marble & Flooring*

4- Manufacturer/Supplier: **Progressive Center Company For Construction Chemicals Ltd. (Polywed)**

5- Manufacturer/Supplier Address: **Building No. 8175, Alhassan Alhalowani, Abraq Rughama Dist. Zip Code 22261, Additional No. 2593 Jeddah, Saudi Arabia**


Reviewed By: *Abdulmohsen Alshamir*  
 Signature: *Abdulmohsen Alshamir*

Project Manager: *Walid Homedy*  
 Signature: *Walid Homedy*


Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit/Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** T3 – Tile Adhesive GB 770



**Submission for Material Approval**

**Date:** *Poly*

Project Name: *Jeddah Islamic Port Passenger Bay*  New Submittal  
 Contractor: *Saudi Tamas*   
 Consultant: *Jeddah Islamic Port*  Resubmittal  
 Client: *Jeddah Islamic Port*

1- Subject

2- Submittal Description *Tile Adhesive Super GP 770 (T3)*

3- Area of Application *Fixing of Ceramics*

4- Manufacturer/Supplier *Progressive Center Company For Construction Chemicals Ltd. (Polywed)*

5- Manufacturer/Supplier Address *Building No. 8175, Alhassan Alhalawani, Abroc Rughama Dist. Zip Code 22261, Additional No. 2593 Jeddah, Saudi Arabia*

Reviewed By: *Ossama Kamal* Project Manager: *Walid Hamdy*  
 Signature: *[Signature]* Signature: *[Signature]*

Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved   
 Eng Unit/Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** W1 – Roofcoat



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port- Passenger Bay*  New Submittal  
 Contractor: *Saudi Tamas*  Resubmittal  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

1- Subject

2- Submittal Description **Roofcoat (W1)**

3- Area of Application *Insulation for Roof decking*

4- Manufacturer/Supplier Progressive Center Company For Construction Chemicals Ltd. (Pelywed)

5- Manufacturer/Supplier Address Building No. 8178, Alhassan Alhalawani, Abraq Rughama Dist. Zip Code 22261, Additional No. 2593 Jeddah, Saudi Arabia

Reviewed By: *Osman* Project Manager: *Wafiq Hammad*  
 Signature: *Osman* Signature: *Wafiq Hammad*

Engineer/Consultant Comments:

Attachments Y/N  
 Samples   
 Catalogue   
 Product Warranty   
 Tech Data sheet   
 Method of Statement   
 Compliance sheet   
 Job Reference   
 Design Calculation   
 Other

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit/Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_





**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** W9 – Deck Sealant



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port - Passenger Bay*  
 Contractor: *Saudi Tamas for Building & Const.*  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

New Submittal  
 Resubmittal

1- Subject

2- Submittal Description **Deckseal E200 (W9)**

3- Area of Application - *Insulation for Steel deck.*

4- Manufacturer/Supplier **Progressive Center Company For Construction Chemicals Ltd. (Polywed)**

5- Manufacturer/Supplier Address **Building No. 8178, Alhasan Alhalowani, Abruz Rughama Dist. Zip Code 22261, Additional No. 2583 Jeddah, Saudi Arabia**

Reviewed By: *[Signature]* Project Manager: *Wahid Khandy*  
 Signature: *[Signature]* Signature: *Wahid Khandy*

Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** G1 – Poly Grout



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port - Passenger Bay*  New Submittal  
 Contractor: *Saudi Tamas*  Resubmittal  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

1- Subject

2- Submittal Description **Polywed Grout (G1)**

3- Area of Application *Carpet For floorings*

4- Manufacturer/Supplier **Progressive Center Company For Construction Chemicals Ltd. (Polywed)**

5- Manufacturer/Supplier Address **Building No. 8178, Alhassan Alhalawani, Abraq Rughama Dist. Zip Code 22261, Additional No. 2563 Jeddah, Saudi Arabia**

Reviewed By: *Omar Kamel* Project Manager: *Walid Handy*  
 Signature: *[Signature]* Signature: *[Signature]*

Engineer/Consultant Comments:


Attachments Y/N  
 Samples   
 Catalogue   
 Product Warranty  
 Tech Data sheet   
 Method of Statement  
 Compliance sheet  
 Job Reference  
 Design Calculation  
 Other

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Erg Unit/Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** T2 – Tile Adhesive Plus



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port - Passenger Bay*  
 Contractor: *Saudi Tamas*  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

New Submittal  
 Resubmittal

1- Subject

2- Submittal Description **Tile Adhesive Polywed Plus (T2)**

3- Area of Application *Tring Marble & Tiles*

4- Manufacturer/Supplier **Progressive Center Company For Construction Chemicals Ltd. (Polywed)**

5- Manufacturer/Supplier Address **Building No. 6178, Alhassan Alhalawani, Abraq Rughama Dist. Zip Code 22261, Additional No. 2593 Jeddah, Saudi Arabia**


Reviewed By: *Osama Khamal*  
 Signature: *[Signature]*

Project Manager: *Walid Handy*  
 Signature: *[Signature]*


Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit/Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** W2 – Polyflex



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port. Passenger Bay*  New Submittal  
 Contractor: *Saudi Tamas.*   
 Consultant: *Jeddah Islamic Port*  Resubmittal  
 Client: *Jeddah Islamic Port.*

**1- Subject**

**Attachments** Y/N

Samples   
 Catalogue   
 Product Warranty   
 Tech Data sheet   
 Method of Statement   
 Compliance sheet   
 Job Reference   
 Design Calculation   
 Other

**2- Submittal Description** Polyflex (W2)

**3- Area of Application** *Internal Insulation*

**4- Manufacturer/Supplier** Progressive Center Company For Construction Chemicals Ltd. (Polywed)


**5- Manufacturer/Supplier Address** Building No. 8178, Alhassan Alhalowari, Abraq Rughama Dist. Zip Code 22261, Additional No. 2603 Jeddah, Saudi Arabia

Reviewed By: *Osman Alomari* Project Manager: *Walid Hamdy*  
 Signature: *Osman Alomari* Signature: *Walid Hamdy*

Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit/Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**Project Name** Jeddah Islamic Port – Passenger Bay  
**Construction Co.** Saudi Tamas for Building and Construction  
**Contractor** Saudi Tamas for Building and Construction  
**Approved Products** B5 – Bond SBR Pure



**Submittal for Material Approval**

**Date:**

Project Name: *Jeddah Islamic Port - Passenger Bay*  
 Contractor: *Saudi Tamas for Building & Const.*  
 Consultant: *Jeddah Islamic Port*  
 Client: *Jeddah Islamic Port*

New Submittal  
 Resubmittal

1- Subject

2- Submittal Description **Bond SBR Pure (B5)**

3- Area of Application *Cement Mortar for Flooring*

4- Manufacturer/Supplier **Progressive Center Company For Construction Chemicals Ltd. (Polywed)**

5- Manufacturer/Supplier Address **Building No. 8178, Alhassan Alhassani, Abraj Rughama Dist. Zip Code 22261, Additional No. 2503 Jeddah, Saudi Arabia**

Reviewed By: *[Signature]* Project Manager: *[Signature]*  
 Signature: *[Signature]* Signature: *[Signature]*

Engineer/Consultant Comments:

Approved  Approved As Noted  Revise and Resubmit  Not Approved

Eng Unit/Name: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_



**POLYWED**

**Contact**



# Index

Contact Information	177
Corporate headquarters	178
Rabigh Factory	178
Where to find us	178

**POLYWED**

# Contact Us



+966 2 624 5984



+966 2 624 6160



[info@polywed.com.sa](mailto:info@polywed.com.sa)



+966 2 624 5984

## LOCATIONS

### **Corporate Headquarter**

Alhassan Alhalowani Street Abruq Ar Rughamah Dist.  
Building No. 8178 Zip Code 22261  
Tel: (+966) 126 204 224  
Fax: (+966) 126 246 160  
E-mail: [info@polywed.com.sa](mailto:info@polywed.com.sa)  
Saturday - Thursday 8 AM - 8 PM





### **Flagship Store**

Old Makkah Road Al Farooq Dist. Jeddah 22349  
Tel: (+966) 126 200 976  
Fax : (+966) 126 246 160  
E-mail: [Sales@polywed.com.sa](mailto:Sales@polywed.com.sa)  
Saturday - Thursday 8 AM - 3 PM

### **Rabigh Factory**

Jabal Thafal Street, 2nd Industrial City Rabigh, Saudi Arabia  
Tel: (+966) 126 204 224  
Fax: (+966) 126 246 160  
E-mail: [info@polywed.com.sa](mailto:info@polywed.com.sa)  
Sunday - Thursday: 8 AM - 5 PM  
Disclaimer: Visitors are allowed entry by appointment only

## FOLLOW US

-  [facebook.com/Polywedksa](https://facebook.com/Polywedksa)
-  [twitter.com/PolywedKSA](https://twitter.com/PolywedKSA)
-  [instagram.com/polywedksa](https://instagram.com/polywedksa)
-  [linkedin.com/company/polywedksa](https://linkedin.com/company/polywedksa)



[www.polywed.com.sa](http://www.polywed.com.sa)

@PolywedKsa



## GET IN CONTACT WITH US

Headquarters: 8178, Alhassan Alhalowani  
Street, Abruq Ar Rughamah Dist. 22261

Phone number: +966 2 624 6160

Website: [www.polywed.com.sa](http://www.polywed.com.sa)

Email: [info@polywed.com.sa](mailto:info@polywed.com.sa)

To save our electronic business card directly to the contacts of your phone, please open your phone camera and scan the bar code below. The following (Virtual Contact File), is a file format standard for electronic business cards that contains our corporate information, telephone numbers, e-mail addresses, and company website.

