

# W3

## POLYWED FLEX

FLEXIBLE CEMENT BASE ACRYLIC MODIFIED WATERPROOF COATING

### WATERPROOFING

Two component, acrylic cementitious coating which cures to form a tough and flexible coating having excellent waterproofing properties. Polywed flex is a two part acrylic modified cementitious coating for protecting concrete structures against water, vapor, ingress of chloride ions, attacks of acidic gases and alkalis. It cures to form a tough flexible coating having excellent waterproofing properties. Polywed flex is a blend of cement, selected fillers, polymers and graded silica sand which is in the powder form. The liquid contains acrylic copolymers and wetting agents.

### CHARACTERISTICS / ADVANTAGES

- Good flexibility. Thermal coefficient of expansion similar to that of concrete
- Good adhesion to both, porous and non porous surfaces
- Good mechanical properties
- Suitable for light pedestrian traffic
- Excellent durability to long term weathering effect and UV exposure
- Non toxic, therefore suitable for use in potable water applications
- Suitable for use in contact with TSE water
- Does not Contain Asbestos, Chromated Copper Arsenate and Lead

Resistant to carbon dioxide and chloride ion diffusion. (Forms a film that provides an anti carbonation coating over concrete. A 1mm coating provides anti carbonation cover which is equivalent to over 75 cm of concrete

### PRODUCT INFORMATION

Composition	Cementitious compound and Acrylic emulsion
Packaging	Different Packaging
Appearance / Colour	White/Grey powder
Shelf Life	12 months from date of production
Storage Conditions	Polywed flex must be stored in a dry place, off the ground and well covered.
Density	Fresh mix density: ~1.8 g/cc (at +25 °C) ASTM D1475

### TECHNICAL INFORMATION

Strength	Tensile 8 N/mm <sup>2</sup> @ 28 days Elongation at break 50%
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### APPLICATION INFORMATION

Consumption	1.8 kg/m <sup>2</sup> @1mm dry film thickness
Drying Time	6-8 hrs

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### APPLICATION INSTRUCTION

#### SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be structurally sound and free of oil, grease, dust and other contaminants which will affect the bonding. Any structural cracks and potholes shall be repaired with a suitable repair mortar from the Polywed range of repair mortars. The surface to be treated should be pre saturated with water prior to application. However, any standing water shall be removed prior to application.

#### MIXING

Polywed flex is supplied in two pre-measured parts which just requires on site mixing. Do not mix more material than that can be used within the pot life. Part mixing can be carried out by mixing 3 parts of powder with 1 part of liquid (by weight). Pour the liquid into a suitable container and slowly add the powder to the liquid. Mix the contents using a slow speed drill (300-400 rpm) fitted to a proprietary paddle mixer till a homogenous, lump free and creamy consistency is achieved.

DO NOT ADD WATER TO DILUTE THE MATERIAL.

### CLEANING OF TOOLS

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

### STORAGE

Store under cover, out of direct sunlight and protect from extreme temperatures. It is recommended to keep the powder bags on pallets and not stacked on the floor.

The shelf life is up to 12 months when stored as per recommendations and in unopened conditions. Failure to comply with the recommendations will result in premature deterioration of the product and reduce its shelf life.

### BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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