



G1

POLYGROUT

Polymer modified un-sanded cementitious tile grout

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.

POLYGROUT G1 is a single component of fine colored powder that is formulated to be mixed with water to give a smooth, easily applied creamy paste for grouting of different types of tiles such as ceramics, porcelain, ceramic mosaic, stone and marble where joint width is up to 5mm.

POLYGROUT G1 consists of Portland cement, graded fillers, colors, special improving additives to supply hard, long lasting, water resistance and controlled colorful tile grout.

ADVANTAGES

- Factory controlled to ensure the supplying of consistent product quality.
- Requires only the addition of water.
- Good mechanical properties.
- Wide range of colors.
- Good water resistance with excellent workability.
- For internal use.
- Ideal for tropical and hot conditions.

DIRECTION OF USE

Surface Preparation:

All tiles should be fixed and the used adhesives should also be dried before the applying of tile grout in the joints. Joints should be also free from any residues of adhesive to ensure the tile grout reaches to the consistent depth of all areas. It is necessary to check the absorption of tile grout by fixed tile to avoid any surface discoloration of the tiles especially for unglazed tiles or natural stones.

Mixing:

POLYGROUT G1 is added slowly to approximately 3.0-3.5 liters of clean water during mixing. POLYGROUT G1 is mixed for 3 minutes by using of slow speed electric drill until the material becomes smooth in consistency and lumps-free. Slack the material for 2 minutes and re-mix it again before the application. Try to use the POLYGROUT G1 within its pot life. Avoid adding more quantity of water that the recommended ratio as it may affect the drying and strength of the POLYGROUT G1.

TECHNICAL PROPERTIES

Color	Different colors
Type	Pre-mixed cement based powder
Bulk density:	1.2 ± 0.15 Kg/L
Mix density:	1.75 ± 0.1 Kg/L
Mixing Ratio:	3.0 – 3.5 Liters of clean water per 10 kg bag
Pot life	-45 minutes
Compressive Strength @ 28 days (ASTM C 109)	≥ 15 MPa
Flexural Strength @ 28 days (ASTM C348)	≥ 2.5 MPa

Data are collected at temperature of 23°C and a 55 % relative humidity.

DIRECTION OF USE

Application:

POLYGROUT G1 is placed and squeezed on the tile joints by using of rubber squeegee with removing of any excess material from the surfaces of tiles. When the POLYGROUT G1 is dried, the fine residues of the POLYGROUT G1 can be washed away with damp cloth. The final clean can be achieved by using of a dry cloth after the POLYGROUT G1 have been dried and hardened.

Coverage/Yield:

POLYGROUT G1 yields around 13.5 kg (7.5 liters). 1 kg of POLYGROUT G1 covers from 1.5 to 2 linear meters at joint width of 5mm. This is considered as general guidance as the coverage depends on the joint width, tile thickness and tile size.

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CLEANING

All tools should be cleaned with water after finishing before the hardened of POLYGROUT G1.

STORAGE

All materials should be stored under dry warehouse conditions. The materials should be protected from all sources of moisture and heat. Rotate stock in order not to exceed the shelf life of 12 months. Wind and direct sunlight must be avoided.

PACKING

POLYGROUT G1 is available in 10 kg paper bag.

CAUTIONS

POLYGROUT G1 is not considered as flammable and a hazardous material under current legislations. POLYGROUT G1 may cause irritation to the eye and skin as POLYGROUT G1 is cement based material. Try to wear safety tools of gloves and goggles with avoiding unnecessary direct contact with product. Skin and eye should be washed with water In case of contact with Repair 300 and seek for medical advice for prolonged irritation. The disposal of

ADDITIONAL POLYWED PRODUCTS

Polywed product Range

Polywed produces a wide range of products to target the construction and coating activities as the following:

- Concrete admixtures and mortar modifiers
- Surface treatment and repairs
- Decorative and protective coatings
- Waterproofing materials
- Flooring System
- Tile Adhesives and grouts
- Plaster and finishing system



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