

Polyglaze®

PZC TILE GROUT

WHITE CEMENT BASED POLYMER-MODIFIED TILE GROUT

PRODUCT DESCRIPTION

Polyglaze PZC Tile Grout is a single component white cement based, polymer-modified grout that helps in achieving strong, dense joints which are resistant to shrinkage and cracking. It can be used to fill tile joints on walls and floors.

AREAS OF APPLICATION

- ◆ It may be used for both interior and exterior applications
- ◆ Polyglaze PZC Tile Grout can be used in conjunction with Polyglaze Tile Adhesive (although not necessary) for grouting all types of Ceramic & Vitrified tiles, Mosaics, Porcelain, Quarry tiles, Bricks, Pavers, Slate and Natural stones
- ◆ Being water resistant, Polyglaze PZC Tile Grout can also be used for grouting wet areas like Swimming pools, power shower enclosures, etc. with due precautions

ADVANTAGES

- ◆ Wide joint bridging
- ◆ Good water resistance
- ◆ Excellent workability, smooth and easy to spread and easy clean-up
- ◆ Non-shrinking and high stain resistance
- ◆ Exceptional color stability
- ◆ Durable and helps to achieve a more robust and flexible grout finish

STANDARDS

- ◆ Conforms to : IS 17190 : 2020
- ◆ EN 13888 : 2022

APPLICATION METHODOLOGY

Surface Preparation

- ◆ Ensure the tile adhesive has fully set before grouting. The surface should be clean, dry and free from dust, grease, oil, loose materials, adhesive residue and other contaminates. If required, clean the surface with a damp cloth or sponge
- ◆ It is advisable to moisten the joints before applying the grout to aid in the spread of the grout

Mixing

- ◆ Take a small amount of water in a bucket and gradually add Polyglaze PZC Tile Grout. Mix thoroughly in the ratio of approximately 3 parts of the product to 1 part of water by volume until a smooth paste is obtained
- ◆ No further water should be added after final mixing
- ◆ After proper mixing, leave the paste for 5 - 10 minutes for polymeric dispersion before application

Grouting & Cleaning

- ◆ After grout is mixed, use a rubber bottomed grout float to scoop the grout from the bucket



- ◆ Then completely fill the tile joints with Polyglaze PZC Tile Grout with the aid of a rubber grouting trowel diagonally without leaving any void or gaps
- ◆ Work on small areas at a time. Remove excess grout from the surface as the work proceeds by drawing the float diagonally across the joints. When grouting in external areas, protect during and after application from extreme temperatures or rain
- ◆ For initial cleaning, allow 30 minutes for the grout to firm up before cleaning off excess with a damp sponge, rinsing the sponge frequently in between with water
- ◆ The final cleaning of the residual grout film on the surface of the tiles can be done using a clean dry cloth for buffing and polishing the tiles
- ◆ Clean the tools with water

PACKAGING

- ◆ Polyglaze PZC is available in 1 Kg pouches and 10 kg bags

STORAGE & SHELF LIFE

- ◆ Store in a dry place away from moisture and sunlight
- ◆ Best before 12 months from the manufacturing date in original sealed condition

PRECAUTIONS & LIMITATIONS

- ◆ Ensure 24 hours time interval for grouting after tile fixing
- ◆ For light traffic areas, allow grout to set for approximately 12 hours
- ◆ For best results, use spacers and keep a minimum of 2 mm joints between the tiles
- ◆ Do not add any additional grout powder or water to an already prepared paste
- ◆ Do not apply in extremely hot or cold temperatures
- ◆ In case of rains post application, cover the area with a plastic sheet and protect from getting wet

TECHNICAL DATA SHEET

PHYSICAL PROPERTIES

Physical Appearance	Dry Powder available in choice of colours
Bulk Density	0.95 g/cc
Water Mixing Ratio	30 - 35% by weight
Applicable Temperature Range	5°C to 42°C
Curing	Self Cured
Pot Life	Approx. 45 minutes
Time to foot traffic	24 hours
Joint Width	1 mm to 10 mm

PERFORMANCE PROPERTIES AS PER EN 13888 : 2022 / IS 17190 : 2020

PROPERTIES	REQUIREMENT	PZC TILE GROUT
Compressive Strength	Min. 1.5 N/mm ²	> 15 N/mm ²
Flexural Strength	Min. 2.5 N/mm ²	> 3 N/mm ²
Abrasion Test	NA	< 2.5%
Linear Shrinkage	Max. 3 mm/m	0.8 mm/m
Water absorption after 30 minutes	Max. 5 g	2.2 g
Water absorption after 240 minutes	Max. 10 g	4.1 g

COVERAGE

CONSUMPTION WILL DEPEND ON JOINT WIDTH, DEPTH AND SIZE OF TILES, CONSUMPTION CAN BE CALCULATED BY FORMULA GIVEN BELOW:

CONSUMPTION IN KG/M²

$$\begin{aligned}
 & \text{CONSUMPTION IN KG/M}^2 \\
 & = \frac{(\text{LENGTH OF TILE} + \text{WIDTH OF TILE}) \times \text{DEPTH OF JOINT} \times \text{WIDTH OF JOINT} \times \text{DENSITY}}{(\text{LENGTH OF TILE} + \text{WIDTH OF JOINT}) \times (\text{WIDTH OF TILE} + \text{WIDTH OF JOINT})}
 \end{aligned}$$

(ALL DIMENSIONS ARE IN MM)

HEALTH & SAFETY

- Use a respiratory mask and protective gloves during application.
- Clean hands with soap and water after application.
- Avoid contact with skin / eyes. In case of unlikely contact, rinse eyes immediately with plenty of clean water and cleanse skin with soap and lukewarm water. Seek medical advice if irritation occurs / persists.
- In case of unlikely swallowing, seek medical attention immediately.

Disclaimer:

The information in this TDS is for general guidance only. Specific advice for site conditions is available upon request. Details provided by the company are in good faith, when product is properly stored, handled, and applied under normal conditions. The site conditions, material compatibility, and workmanship are beyond our control, no warranties expressed or implied are given. The company accepts no liability for unsatisfactory results or consequential damages arising from product use.



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