

# TYLFIX EXPOXY GROUT

## EPOXY BASED JOINT FILLER

### DESCRIPTION

TYLFIX EXPOXY GROUT is a three-component color-fast, stain and chemical resistance, hard wearing and impervious tile joint epoxy resin-based grout specifically designed for use in application of ceramic tiles, vitrified tiles, semi-vitrified tile, glass mosaic tiles, metal tiles, precast terrazzo, engineered stone floors and natural stone joints where a hygienic and sterile condition is expected. It is well suited for interior and covered exterior floor and wall of residential and commercial applications. It effectively fills the gaps and levels itself to give a hard-wearing, dust & water proof tile joint.

### FEATURES AND ADVANTAGES

- High Stain, Germ and Chemical Resistance
- Hygiene, Antibacterial and does not allow fungal growth
- High Strength Non-Shrinkage Grout
- Decorative and Glossy Finish
- Water and Shock resistance
- High quality stable color quartz
- Extremely durable and completely waterproof

### AREAS OF APPLICATION

- Designed for Interior and Covered exterior floor and wall joints of all types of tiles and stones
- Residential
- Commercial
- Institutional and Commercial Kitchens
- Cafeterias
- Wet areas like swimming pools, sauna, water bodies and wash rooms

### METHOD OF APPLICATION

#### Surface Preparation:

- Surface Preparation: Before starting to grout, the adhesive bed must be set and joints should be free of residue. Remove the dirt and dust from grout joints by cleaning with the sponge provided. Do not clean the joints with acid, if incase of cleaning it with acid-wash it with plenty of water.
- Start filling the joints with mixed material using a rubber float. JSW EXPOXY GROUT can be applied with caulking gun also.

Make sure that all joints are packed full. Remove as much material as possible by holding the rubber float perpendicular to the surface before initial cleaning of the grout. Every 15-20 minutes check the joints to be stiff. Do not leave excess grout on the face of the tile.

#### Mixing and Application:

- The entire content of Part A and Part B should be emptied in to a cleaning mixing vessel/bucket. Mix both parts carefully with the help of a mechanical stirrer until a smooth mixture is obtained. Add at least 75% of Part C to the vessel and mix it to a uniform consistency. Add remaining filler to the vessel and mix it to achieve a stiff mix to work into the joints.

### TECHNICAL DATA

Mixing Ratio	1:2:9.5
Mix Density	1700-1720 kg/m <sup>2</sup>
Joint Width	2-12 mm
Pot life in Minutes	45 Minutes
Time to light traffic	24 hours
Time to heavy traffic	72 hours
Time of 100% Curing	7 Days

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### Compressive Strength, Mpa ( IS 4031 Part 6 )

Test parameter	Standard Requirement	Product Performance
Water Cleanability	> 80 Min	80-120 Min
Initial Setting Time	> 120 Min	220-260 Min
Service Setting Time	≤ 7 Days	2-3 Days
Shrinkage 7 Days	< 0.25%	< 0.10%
Sag in Vertical Joints	No change in the shape of the joint	Pass
Bond strength to Quarry tile	> 1000 psi (6.87 MPa)	> 1180 psi (8.13 MPa)
Compressive Strength @ 7 Days	> 3500 psi (24.06 MPa)	7800 psi (53.77 MPa)
Tensile Adhesion Strength @ 7 Days	> 1000 psi (6.87 MPa)	2500 psi (17.23 MPa)
Thermal Shock	> 500psi(3.44MPa)	1150psi(7.92MPa)
Abrasion Resistance ISO 13007-4;EN 12808-2	≤ 250mm <sup>3</sup>	Pass
Flexual Strength under standard condition ISO 13007-4;EN 12808-3	≤ 30MPa	35-40MPa
Compressive Strength under standard condition 12ISO 13007-4;EN 12808-4	≤ 45MPa	55-60MPa
Shrinkage ISO 13007-4;EN 12808-4	< 1.5mm/m	0.6-0.8mm/m
Water absorption@240Min ISO 13007-4;EN 12808-5	≤ 0.1g	0.015-0.014g

### COVERAGE

- Coverage depends on the tile size, joint width and depth

### PACK SIZE

- 1 & 5 kg Bag

### BEST BEFORE

18 months from the date of manufacturing in the original unopened manufacturer's packaging. Store in clean dry place away from moisture

### SAFETY PRECAUTIONS

The precautions should be taken:

- It is recommended to use suitable protective clothing, gloves and eye/face protection while handling the material
- Keep out of reach of the children
- In case of contact with eyes, rinse eyes with plenty of water and consult a doctor immediately

For further and complete information about the safe use of our product please refer to the latest version of our material safety data sheet.

**Disclaimer** - JSW construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.