

TILEGRIP POXY

High Performance Epoxy Based Tile Adhesive

Description:

TILEGRIP POXY is a three components epoxy based adhesive. It is composed of epoxy resin, chemical additives and selected filler. The mix product presents high quality adhesion strength and high resistance against chemicals which is applicable in harsh environments and heavy traffic areas as a durable tile adhesive. TILEGRIP POXY is suitable for fixing marble, tiles and porcelain vertically and horizontally.

TILEGRIP POXY adheres perfectly to a variety of supports like: concrete, cement boards and cement block, bituminous waterproofing with aggregates, gypsum and cement boards

Applications:

Ideally used as a tile adhesive in the following areas:

- Laboratories and medical facilities.
- Restaurants and shops with high foot traffic and extensive cleaning.
- Workshops where spillage of oils and chemicals is anticipated.
- Wet areas (bathrooms, showers) of public nature.
- Walls and floors of showers, bathrooms and kitchens.
- Swimming pools and water features.
- Can be applied to all type of tiles, mosaic, natural stones, marbles which is sensitive to water.
- Areas where hygiene and anti-bacterial specifications are required such as catering facilities.
- Heavy duty workshops and garages.

Advantages:

- It can be used for all kinds of residential and commercial buildings.
- For fixing tiles on concrete substrates, floor screeds, cement plaster, renders, foam concrete, blocks and bricks.

- Excellent adhesion to substrates with high mechanical properties.
- Chemically resistant. Applicable in areas with chemical exposure and spillage.
- High workability and engineered pot life.
- Waterproofing features with high elasticity.
- Can be applied internally and externally.
- Non-sag properties suitable for natural stone application on facades.

Instructions for Use:

Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete and block substrates are fully cured to accommodate all shrinkage factors.

Mixing:

Add contents of part B (hardener) to part A (base) and mix with a suitable paddle fitted to a slow speed drill (200 – 300 rpm). Then add the contents of part C (filler) to the product and mix for 5 minutes until a uniform, lump free consistency mix is achieved.

The epoxy reaction is exothermic, high temperatures might be noticed while mixing.

Application:

With a notched trowel, spread TILEGRIP POXY mix to the substrate evenly and in sufficient quantity with an average of 3 mm thickness layer. Sweep the second pass with the notched part of the trowel to even the distribution of the material.

With pressure and twist movement left and right push the tile into place over the adhesive to ensure full contact between the back of the tile and the adhesive bed. After application and fixing of tiles, remove excess adhesive with a cloth witted with hot water before adhesive dries.

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Pot life of the mix is roughly 30 minutes at 30°C. Do not mix more than what can be applied within the pot life.

Joints color grouting can be performed after 12 hours of tiling.

Standards:

TILEGRIP POXY conforms to:

- EN 12004 as R2T
- ANSI A 118.3 – 1992
- ISO 13007 – I
- BS 5980-1980 TYPE 5

TECHNICAL PROPERTIES:

Color:	:	Thixotropic Grey Paste
Open time	:	30 minutes
Grouting time	:	12 hours
Bond Strength	:	1.80 N/mm ²
Density	:	1.60 kg/lit.
Application time at 20°C	:	45 minutes
Application time at 35°C	:	20 minutes
Compressive strength	:	60 N/mm ²
Tensile strength	:	16 N/mm ²
Flexural strength	:	30 N/mm ²
Pull-out Resistance	:	3 N/mm ²
Bond shear strength	:	6.5 N/mm ²
Shrinkage	:	0.8 N/mm ²
Water absorption	:	≤ 0.05 g
Resistivity to chemicals	:	
Alkali solutions	:	Excellent
Acid solutions	:	Excellent
Oil and grease	:	Excellent
Detergents	:	Excellent
Temperature Resist.	:	-10°C to + 85°C
Temp. of Application	:	+5°C to + 40°C
Trafficable after	:	24 hours
Full Curing	:	7 days

Packaging:

TILEGRIP POXY is available in 8 kg set of two part metallic containers and a bag of filler (part C).

Coverage:

TILEGRIP POXY coverage of 1.70 square meters per set @ 3 mm thickness of application.

Storage:

Store in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

TILEGRIP POXY can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean with water before the product dries.

Remarks:

TILEGRIP POXY should not be applied onto surfaces likely to suffer from rising dampness or moisture content.

Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas.
- Avoid contact with eyes or skin.
- Avoid direct contact with flames and fire.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

