

# TILEGRIP POXY

## High Performance Epoxy Based Tile Adhesive

### Description:

TILEGRIP POXY is a high performance two 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

### Uses:

Ideally used as a tile adhesive in the following areas:

- Walls and floors, indoor and outdoor use.
- 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.
- Water impermeable and water vapor barrier, protects moisture sensitive substrate from water moisture.
- Higher wear resistance to rolling and grinding loads.
- 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). Mix for 5 minutes until a uniform, lump free consistency mix is achieved.

#### 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.

Do not mix more than what can be applied within the pot life. Joints color grouting can be performed after 12 hours of tiling.

# TILEGRIP POXY

## Standards:

- EN 12004 as R2T
- ISO 13007 – R2T
- BS 5980-1980 TYPE 5, Class AA

TECHNICAL PROPERTIES	
Color/Appearance	Thixotropic Grey Paste
Density	1.95 ± 0.05 kg/lit
Pot life at 25°C	Approx. 60 min
Temp. of Application	+5°C to + 40°C
Trafficable after	24 hours
Grouting time	12 hours
Full Curing	7 days
Pull-out Resistance	3 N/mm <sup>2</sup> (failure within concrete)
Bond shear strength	6.5 N/mm <sup>2</sup>
Compressive strength (EN 12808-3)	>60 N/mm <sup>2</sup>
Tensile strength	16 N/mm <sup>2</sup>
Flexural strength (EN 12808-3)	30 N/mm <sup>2</sup>
Shrinkage (EN 12808-4)	NIL
Water absorption (EN 12808-5)	≤ 0.05 g
Service Temperature	-5°C to + 85°C
Resistivity to chemicals	
Alkali solutions	Excellent
Acid solutions	Excellent
Oil and grease	Excellent
Detergents	Excellent

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Coverage:

Solid bed	:	1.90 Kg/m <sup>2</sup> per 1mm thickness
3mm notched	:	2.8 Kg/m <sup>2</sup> on smooth surface
Trowel		
Yield	:	5.26 Ltr. for 10 Kg kit

Consumption will vary according to the type of tiles and support conditions.

## Packaging:

TILEGRIP POXY is available in 10 kg set of two-part metal containers.

## 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 an unopened original packing.

## Cleaning:

Clean tools with ARMOSOLVENT before the product dries. Hardened materials can only be removed mechanically.

## Remarks:

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

## Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapor or spray mist.

## FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to TILEGRIP POXY Material Safety Data Sheet.

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