

TWO COMPONENT EPOXY GROUT

Two component epoxy grout for waterproofing, stain free grouting material for tile joints

TileEx Two Component Epoxy Grout is low VOC epoxy tile grout. It is two component system, the resin blended with selected fine fillers and the hardener. It is supplied in pre-weighed quantities, ready for on-site mixing and use. TileEx Two Component Epoxy Grout is stainless, chemical resistance, high performance epoxy grout.

INDICATIVE TECHNICAL DETAILS

Nature	:	Part A: Coloured paste Part B: Amber colour liquid
Composition	:	Part A: Epoxy resin with graded fillers Part B: Hardener
Mix ratio (A : B)	:	92 : 8
Setting time @ 30°C	:	24 hours
Foot traffic @ 30°C	:	24 hours
Heavy traffic @ 30°C	:	72 hours
Pot life @ 30°C	:	Minimum, 30 minutes
Full cure	:	7days
Compressive strength, MPa	:	Minimum 30
Tensile adhesion strength, MPa	:	Minimum 2 (on concrete surface)
Flexural strength, MPa	:	Minimum 10
Shrinkage, %	:	Negligible

FEATURES & BENEFITS

- ★ Easy to use
- ★ High strength
- ★ Stain free
- ★ Water resistant
- ★ Wide range of colours
- ★ Rich & beautiful looks

PACKING

- ✓ Available in 1kg & 5 kg packs

MAINTENANCE

- ✓ Epoxy tile grout requires routine cleaning with a neutral pH soap and water.

GUIDANCE FOR APPLICATION

SURFACE PREPARATION

- ✓ Before starting to grout, remove debris in grout joints and dust can be removed by compressed air jetting. Ensure water, oil, dirt and other contamination-free joints.
- ✓ Remove dirt and dust from tile surface by cleaning with sponge. Do not clean the tiles with acids.
- ✓ The prerequisites for good adhesion of the grouts are cleanliness and roughness of surface.
- ✓ Unless these are ensured by proper surface preparation a successful performance cannot be guaranteed.
- ✓ The substrate and application temperature must be between 16°C and 32°C.

MIXING

- Mortar is prepared by mixing the base and hardener in the given ratio.
- Pour the entire contents of base in a clean vessel, then pour entire contents of hardener and mix thoroughly till a lump free uniform paste is obtained.
- This grout paste is workable within 30-40 minutes @ 23°C
- Press the grout firmly by using a hard rubber squeeze into the joint ensuring that the joint is completely filled.

APPLICATIONS

- ✚ Use standard epoxy grouting techniques to work the tile grout in the tile joints.
- ✚ Ensure that the entire joint is packed fully with the material. Remove the excess grout material from joints and surface by moving the squeeze diagonally to the grout line.

CLEANING

- ❖ Wipe the strains on the tiles with water when the grout is partially set.
- ❖ Using sponge clean off the grout from tile within 40 minutes before it dries.
- ❖ Clean the grout haze from the tile with clean water or soap solution within 24 Hrs.

COVERAGE

Consumption of grout is dependent on the substrate, surface profile, roughness, size of the tiles, the joints between them and wastage during application

Coverage of Grout can be calculated theoretically through the following formula:

$$Coverage(kg/m)^2 = 1.6 \times T \times J \times \frac{(L + W)}{(L \times W)}$$

T = Thickness of tile, mm

J = Joint width, mm

L = Length of tile, mm

W = Width of tile, mm

1.6 = mixed density considered as 1.6 (varies with shade of grout)

Dimension of Tile (mm)			Theoretical coverage, kg/m ²		
Length	Width	Thickness	Joint width 2 mm	Joint width 6 mm	Joint width 12 mm
100	100	3	0.19	0.58	1.15
200	300	6	0.16	0.48	0.96
450	600	10	0.12	0.37	0.75
600	600	8	0.09	0.26	0.51
1800	1200	12	0.05	0.16	0.32

PRECAUTIONS & NOTE

- ❖ For highly absorbent natural stones/marbles which may form a wet or colored patch when tile grout is applied, do sample test to check for possible staining.
- ❖ Please take the right & complete proportion of all components (base and hardener). Any change in proportion would not give correct product performance.
- ❖ Do not apply it on wet or damp tile joints. Always apply on completely dry tile joints.
- ❖ Do not over-mix the material. Over-mixing can reduce the pot life.
- ❖ Apply masking tapes along tile joints while working on unglazed floor tiles, porous tiles & natural stones, tiles with matt glaze or textured surfaces.
- ❖ While cleaning, change cleaning cloth/sponge when they are impregnated with grout.
- ❖ Protect from direct rainfall & foot traffic for at least 24 hours.
- ❖ Do not use acid to clean joints.

SHELF LIFE & STORAGE INSTRUCTIONS

- ✚ 18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C
- ✚ Store in dry and well-ventilated place away from heat source or direct sunlight.

HEALTH & SAFETY INFORMATION

- ★ Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- ★ Use rubber hand gloves & safety goggles, while using product
- ★ Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- ★ Ensure adequate ventilation and avoid inhalation of vapour
- ★ Keep out of reach of children.