



Description :

Tilopoxy 3 Part Water resistance stain free grout is an Epoxy grout specially designed for use in application of Ceramic tiles, Vitrified tiles, Mosaic and Stone as where staining is expected.

Application Area :

- Swimming pools
- Rest rooms
- School
- Cafeteria
- kitchen
- Institutional facilities
- Swimming pools
- Rest rooms

Suitable Substrate :

- Ceramic Tiles
- Glass Mosaic
- Metal Tiles
- Precast Terrazzo tiles
- Vitrified tiles
- Granite
- Marbles
- Agglomerates

Advantages :

- Easy to install & clean
- Non Cracking
- Water cleanable when it fresh
- Available in range of attractive 39 colors
- Stain Free
- Color fast
- Chemical & Temperature resistance

Compliance / Standard :

- RG as per EN 13888/ISO 13007 standard.

Recommendation :

- Tilopoxy 3 Part epoxy grout we recommended for use on tiles joints on 2-12 mm Joints width.
- Ensure 24 hours time interval for grouting after tile fixing.
- Clean of the excess of epoxy from tiles before hardens.
- If the tiles are highly porous, do samples test to check for possible stain. To avoid this problem mask the tiles before grouting.
- Light color may darken slightly from direct UV exposure. Consult with technical person for specific exterior recommendation.
- Maximum stain resistance is achieved 10days after completion of application. Protect from exposure to acid & strong cleaners during this period.
- During cold and humid weather, protect finished work from traffic until fully cured.
- Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Keep out of reach of children.

Application Instruction :

Surface Preparation :

- Before starting of Grout, remove debris in grout joints & lightly sponge the surface the tile surface to remove dust & dirt. Do not clean tiles with acid cleaners. Substrate temperature must be 15°C to 40°C.

Mixing :

- Empty entire contents of Tilopoxy 3 Part epoxy grout Part A & Part B container into a clean mixing pail. Mix with a margin or a slow speed drill mixer until liquids are completely cleaned. First add at least ¾ of Part C filler powder in pail & mix slowly up to mix uniformly, after that slowly add balance part C filler powder & mix to a uniform consistency. Mix as stiff as possible to work into the joints.

Application :

- Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with Tilopoxy 3 Part grout in to the tile joints. Be sure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

Cleaning :

- Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pill it diagonally across the joints & tile to avoid pulling out the material.
- Initial Cleaning : After 30-45 minutes of the application of the grout scrub the surface of the tile and joint with clean water and scrubber provided to remove any excess grout from tile surface. Then take a clean thick cotton towel and drag across the tile to remove any residue.
- Final Cleaning : Within 24 hours do a second cleaning with normal shop detergent to remove any haze from the tile surface.

Technical Properties :

(All data tested at 30°C temperature)

Description	Result
Paste Density	1.75 ± 0.03 gm/cc
Pot life	55 minutes
Time to walk on Grouted floor	24 hrs. after grouting
Recommended tile joint width	2 - 12 mm
Minimum application temperature	5°C
Can withstand temperature variation between	- 5°C to 90°C
Hardening time (Epoxy Grout)	6 - 10 hours
pH	10 to 11
Compressive strength @ 7 days	> 65 Mpa
Shearing Strength @ 7 days	> 12 Mpa
Flexural strength @ 7 days	> 35 Mpa
Tensile adhesive strength @ 7 days	> 17 Mpa

Packing :

Tilopoxy 3 Part proportioned lit with Resin (Part A), Hardener (Part B) and colored filler powder (Part C).

Resin	Hardner	Colored Filler	Remarks
1.000 kg	0.500 kg	3.500 kg	Supply in plastic bucket – 5 kg x 4 cartoon
0.200 kg	0.100 kg	0.700 kg	Supply in plastic bucket - 1kg x 18 in cartoon packing

Color :

- Choose from range of color available in Part C filler powder. Please refer the grout color chart for choosing the color required.

Coverage :

As a guide:

1.2 kg/m²/mm of thickness

(Consumption may vary depending on the evenness on the substrate, trowel notch size, type of tile and application technique)

Shelf life & Storage :

Until 24 months since the date of production when stored in damaged dry conditions & original packaging.

Health & Safety :

Tilopoxy Part 3 is non-toxic. Use to gloves and goggles in recommended. Any splashes to the skin or eyes should be washed off with clean water. In the events of prolonged, medical advice should be sought.

Fire :

Tilopoxy Part 3 Adhesive is non-flammable.

Technical Support :

The company provides a technical service supported by the team of specialist applicators in the industry.