

CIS EPOXY 18

COLOUR BASED TILE GROUT

PRODUCT CATEGORY: TILE JOINT FILLER

PRODUCT DISCRIPTION

CIS EPOXY 18 is a chemical resistant, & impervious epoxy based tile joint filler which has high degree of resistance to abrasion. It is designed for grouting gap between glazed, ceramic, porcelain, vitrified & fully vitrified tiles, natural stones & Glass mosaics. CIS epoxy 18 can also be used as a high-performance epoxy adhesive for fixing tiles & stone.

AREA OF USE

All types of ceramic tile, glazed tiles, porcelain tiles, vitrified & fully vitrified tiles, natural stones*, large format tiles, glass mosaic tiles, composites & engineered stone

AREA OF APPLICATION

Floor & walls of internal & external area, dry as well as wet area, water submerged area, food, pharma & hygiene required areas, area containing aggressive chemicals, heavy traffic/movement areas, domestic applications, commercial applications, wider tile joints.

FEATURES AND ADVANTAGES

- Stainless - Will not be stained by most foods, beverages and cleaning agents.
- Easy Maintenance - Smooth texture, easier to clean.
- Provides excellent chemical resistant to many acids, alkalis and corrosives.
- Provides hygienic, hard wearing and abrasion resistant surface.
- Waterproof property
- Durable - Will not peel, crack or powdering
- Excellent mechanical property & highly resistant to heavy traffic.
- Easy to Use - No noxious odor, nonflammable, water cleanable, easy to clean.
- Stable and uniform coloring for all types of tiles



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LIMITATIONS

- 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. It is recommended to use suitable CIS Impregnating sealer on all sides & mask the tiles before grouting.
- Light colors may darken slightly & turns to yellowish due to direct UV exposure.

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TECHNICAL INFORMATION APPLICATION PROPERTIES

(Base + Hardener + Filler)

TEST PROPERTIES	RESULTS
Component Appearance	Base (Part A) – White Viscous liquid Hardener (Part B) – Yellow Viscous liquid Filler (Part C) – Coloured powder
Mixing Ratio	184 (Base) + 80 (Hardener) +740 (Filler)
Mixed Material Consistency	Smooth creamy paste
Mixed Density	1.75 ± 0.05 kg/ litre
Pot life @ 30° C	Min. 50 minutes
Joint Width	2 – 10 mm
Sag Resistant	No-sag

CHEMICAL RESISTANCE PROLONGED CONTACT

Aluminum Bromide, Aluminum Fluoride, Baking Soda, Barium Hydroxide, Beer, Boric Acid, n-Butanol, Calcium Chloride, Carbonates, Carbonic Acid, Castor Oil, Chlorides, Chlorinated Paraffin, Citric Acid, Coconut Oil, Cotton Seed Oil, Diesel, Dilute Detergents, Ethanol, Ethylene Glycol, Fats, Ferric Chloride, Fish Oil, Gasoline, Groundnut Oil, Kerosene, Linseed Oil, lubricating Oils, Milk, Nitrates, Olive Oil, Palm Kernel Oil, Palm Oil, Paraffin Wax, Pine Oil, Potassium Hydroxide, Silicates, Sodium Carbonate, Sodium Chloride, Soybean Oil, Sugar, Sulphates, Sunflower Oil, Tannic Acid, Vegetable Oil, Water & White Sprit.

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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Ensure 24 hours time interval for grouting after tile fixing.
- The joints must be dry, clean, free of dust & adhesive..
- The joints should not be wet during work.
- press the grout firmly into the joints

MIXING

- Shake the bottle of Hardener and stir the Base prior to mixing.
- Pour Part A (Base) & Part B (Hardener) into a clean mixing pail.
Mix thoroughly by hand or with a slow speed mixer 250 RPM until liquids are completely blended.
- Add Part C Filler Powder and mix until a uniform color & consistency.
- Avoid entraining air by mixing at very high speed or by over-mixing.
- Use the paste within 40 - 50 minutes from mixing

APPLICATION

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material. .
- Ensure that joint is filled completely, and grout is not just sitting on top.
Remove access material on tiles within 60 minutes with help of wet sponge

CLEANING & FINISHING

- Clean off the surplus grout from tile joints and tiles within 30-45 minutes/ before the product dries.
- Initially use a rough textured sponge dampened with water to remove the grout residue.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ CIS Stain o cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

CLEANING & FINISHING

- Please take right/ complete proportion of all components (base, hardener & filler). Any change in proportion would not give correct product performance.
- Do not apply on wet/damp tile joints. Always apply on completely dry tile joints.

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- 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 water frequently. 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. Use CIS Stain o for cleaning purpose.
- Do not allow grout to harden on the face of the tile. Clean promptly

SHELF LIFE

18 months for sealed pack when stored under cover, out of direct sunlight, damp proof condition and protect from extremes of temperature

PACKAGING

5,10 KG