

EPOXY TILE GROUT



HIGH PERFORMANCE CHEMICAL RESISTANT TILE GROUTS

Description

Isoplus Epoxy tile grout is a 3-Component based Epoxy Grout, Cleanable High-performance waterproof Epoxy-resin Grout with excellent chemical, acid and stain resistant properties, formulated specifically for ease of application and clean-up.

Construction Coatings Epoxy Grout is ideal for installation areas where imperviousness, chemical and acid resistance and/or good hygienic conditions are important.

Our Epoxy Grout is available in Light Grey and other colours are available on request.

The grout may be used in tile and stone joints up to 12 mm wide in internal or external applications.

Typical applications for our Epoxy grout includes kitchens, bathrooms, locker rooms, Swimming pools, Laboratories, food processing plants and high traffic areas.

Advantages

- Easy to apply - fast application possible.
- Easy to clean up during application - can be washed off with water until initial set.
- Long work life - gives long adjustability time.
- Waterproof - unaffected by water when cured.
- Interior or exterior use.
- Chemical resistant - good resistance to acid and alkalis.
- High bond strength to steel, concrete and tiles.
- User-friendly packaging
- Low odor for use in occupied areas
- Can be applied up to ½" thick
- Non-sag for vertical applications
- Low viscosity-good wetting properties

Packaging

Construction coatings epoxy grout is available in a package of 1kg and 5kg

Properties

Specific Gravity: 1.8 @ 25°C

Service Temperature : -30°C - +100°C

Tensile strength : 12 N/mm²

Pot life : 70 minutes @ 20°C

Solid content : 60% min

Shelf life : Upto 1 year when stored in dry place

Initial set : > 2 hours

Final set : 28 days

Colours : White

Mixing ratio : 200g (Part A), 100g (Part B), 700g (Part C)

Application Instructions

Preparation

Make sure that the tiles are firmly in place and that the appropriate mortar was used. It is important that the initial curing time of the mortar is respected prior to installation of epoxy grout. The joints must be clean and free from water, dust, debris and contaminants. Adjacent tiles must be clean and dry.

Mixing

The base (part A), hardener (part B) and Filler (PART C) components should be individually stirred to redisperse any settlement. Base and filler should then be mixed until a uniform paste is obtained. The hardener should then be incorporated using a slow speed drill and paddle (approximately 150 RPM).

Application

The mixed grout should then be applied using a Putty blade, sweeping the grouting paste into the joints. Ensure that the joints are completely filled. Use a masking tape around the joints for a clean application.

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Ensure that the joints are properly filled and the grout is heavily compacted into the joints by means of steel pointing tool or using a finger.
After about 30 minutes or prior to the expiry of pot life of the epoxy grout, clean the excess grout with a sponge and clean warm water to provide neat finish surfaces.

DO NOT ALLOW THE GROUT TO DRY ON THE FACE OF THE TILES.

Curing

Avoid circulating over the area to protect your joints for the next 24 hours.
After 48 hours, the epoxy will be very firm in the joints, but optimal effectiveness will only be obtained after 14 days. Over the first 24 hours following the installation, if there are residues on the tiles, clean the surface with mild soap, water and a white abrasive pad. If you experience cleaning .

Cleaning

The grout can be removed from tiles and tools before initial set using a damp rag or water.

Storage

Construction coatings Epoxy grout has a shelf life of 12 months in unopened packs, if kept in a dry store.

Precautions

Health and Safety instructions

Construction coatings Epoxy grout does not contain any toxic materials ,do not ingest or inhale. Use only as directed. Wear protective gloves and goggles. Work in a well-ventilated area.

Some people are sensitive to epoxy resin and may develop dermatitis. Any material coming into contact with the skin should be washed off promptly and thoroughly with soap and water.
Direct contact with eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with water and immediate medical attention sought.



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