

Epoxy Tile Grout

Chemical resistant, stain free coloured epoxy tile grout



Description

Epoxy Tile Grout is a three component, epoxy resin based tile joint grout available in different colours. It is supplied in pre-weighed packs which helps in easy on-site mixing.

Advantages

- Good bonding with most of the floor tiles
- Available in standard range of colours
- Provides water tight joints
- Resistant to mild chemicals and acids
- Abrasion resistant
- Does not facilitate bacteria and fungal growth
- Can be used in high sterile conditions such as - Laboratories, Hospitals, operation theaters and Health care centres
- Suitable for application in wet areas such as showers, swimming pools, bathrooms etc
- Can be used in confined areas since it is solvent free

Application Area

Epoxy Tile Grout can be used in residential, commercial, industrial buildings in areas such as bathrooms, fountains, swimming pools, shop floors, bulk drug industries, warehouses, chemical laboratories. Recommended to use in high sterile conditions such as - pharmacies, hospitals, operation theaters etc.,

Properties

Specific gravity of mixed material	: 1.6 - 1.7
Pot life of mixed material at 27°C	: 45mins
Usable time for occasional usage	: 24hrs
Tensile strength at 7 days	: 10±2 MPa
Compressive strength at 7 days	: 70 ± 5 MPa
Bond strength in 7 days	: 1.5 MPa (Minimum)
Shore D hardness	: >70
Full cure	: 7 days
Water absorption of fully cured material	: Nil

Chemical Resistance

Epoxy Tile Grout is impervious to a variety of chemicals which are commonly used in residential and industrial applications. A few are mentioned below -

- Saline and potable water
- Mild acids and alkali solutions
- Mineral, edible and medicated bath oils
- Pharmaceutical chemicals
- Aerated drinks, soft drinks and fresh fruit juices
- Dairy products

Instructions to use

Surface Preparation

The tiles shall be placed and aligned in such a way that a uniform tile joint width is available throughout. The joints shall be cleaned to ensure that it is free from loose particles and any other bond breaking materials. The prepared joint should be completely dry during application.

Mixing

Pour the entire contents of base and hardener into a suitable container and mix for a minimum period of 30 seconds by using a slow speed paddle mixer. Add the filler component and continue mixing until a homogeneous lump free mixture of uniform colour is obtained.

Application

Apply the mixed material into the joints and compact using a rubber grout float or float trowel such that the joints are completely filled by the grout. Scrape off the excess material if any from the tile surface as soon as possible. Finish off the surface and check the levels in x, y and diagonal directions.

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Cleaning

- Clean the surplus material sticking to the surface of the tiles with a damp cloth as soon as possible.
- Cured material cannot be removed easily by wiping with damp cloth.
- Clean off any light residue of tile grout left on the tile surface using a tile cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.
- After initial set, use of solvent or mechanical removal is necessary.

Limitations

- Epoxy Tile Grout should be applied when the temperature is above +5°C
- It should not be exposed to flowing water during application
- The applied areas shall not be used for at least one week from the date of completion of the job
- Foot traffic can be allowed after 24 hrs, full traffic after 7 days

Packaging

- 1 kg combo pack
- 5 kg combo pack

Coverage

1kg of Epoxy Tile Grout will cover ~30 running meter of joint size 4mm width x 5mm depth.

Note: The coverage figures given are theoretical. Due to wastage factors, practical coverage figures will be reduced.

Shelf Life

Epoxy Tile Grout has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Health & Safety Instructions

Epoxy Tile Grout should not come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours. Some people are sensitive to epoxy resins, hardeners and solvents. gloves, goggles and barrier creams should therefore be used while handling the product. Adequate ventilation should be ensured and if working is enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - solvent should not be used.

Important note :

The products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst The company endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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