

Talrak® Tilegrout EB

Chemical resistant, stain free coloured epoxy tile grout



The Construction Alchemists

Description

Talrak® Tilegrout EB is a ready to use three component epoxy resin based coloured tile joint grout. It is supplied in pre-weighed packs which helps in ease of on-site mixing.

Features & Benefits

- 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

Primary Application

Talrak® Tilegrout EB can be used in commercial, residential buildings, Wet areas such as bathrooms, fountains, swimming pools etc. It can be used in industrial areas such as shop floors, bulk drug industries, warehouses and chemical laboratories. Recommended to use in high sterile conditions such as - Pharmacies, Hospitals, Operation Theaters etc.

Technical Properties

Specific gravity of mixed material	1.6 - 1.7
Pot life of mixed material at 27°C	45mins
Usable time for occasional usage	After 24 hours
Tensile Strength @ 7 days	10±2 MPa
Compressive Strength @ 7 days	70 ± 5 MPa
Bond Strength @ 7 days	Min. 1.5 MPa
Shore D Hardness	>70
Full cure	7 days
Water absorption of fully cured material	Nil

Chemical Resistance

Talrak® Tilegrout EB 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

Application Instructions

Surface Preparation

The tile joints should be free from loose particles, bond breaking materials, dust and dirt etc. The prepared joint should be completely dry during application.

Mixing

Pour the entire contents of the base part into a suitable container and mix the hardener with the base for 30 seconds. Next, mix the filler component using a slow speed paddle mixer 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 before the material dries. Finish the surface and check the levels in x, y and diagonal directions.

Cleaning

Clean the surplus material (if any) sticking to the surface of the tiles with a damp cloth before the material dries. Please note that cured material cannot be removed easily by wiping with the damp cloth. When the mixed material not yet gelled can be easily emulsified by water. Partially set material can be better cleaned with warm water. Finally, all the tile surfaces should be cleaned with a sponge. All the tools to be cleaned with water before the material sets.

Limitations

- Talrak® Tilegrout EB 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.

Estimating Packaging

Talrak® Tilegrout EB is supplied in 1kg and 5kg combo packs.

Coverage

The consumption of epoxy tile grout is as per the table below, considering the **standard joint size of 3mm x 5mm**.

Tile size in mm		Coverage in sqm per kg
300	300	5
300	600	6.75
600	600	10
600	1200	13.5
1200	1200	20

Note: A wastage of 20% shall be considered for the tile joint filling work.

Storage

Talrak® Tilegrout EB 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.

Precautions Health & Safety Instructions

Talrak® Tilegrout EB 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.



Talrak Construction Chemicals Pvt. Ltd.
An ISO 9001:2015 Certified Company

Works:

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Important note :

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