

MITCHTILE GROUT EP

Epoxy Based Tiles Grout For Heavy Duty Conditions DESCRIPTION

MITCHTILE GROUT EP is a 3 component epoxy resin based grouting system for ceramic and acid resistant tiles, in medium and heavy duty corrosive and hygienic environments. Suitable for vertical and horizontal applications in interior and exterior locations. Suitable for 2 mm to 10 mm joint sizes.

USES

- **MITCHTILE GROUT EP** is for to be used for high degree of chemical resistance with excellent mechanical properties are required.
- **MITCHTILE GROUT EP** ideal for meat, fish, vegetable, fruit processing, canning areas, dairies & bakeries, industrial kitchens and catering facilities, laboratories, swimming pools and leisure facilities.
- **MITCHTILE GROUT EP** can be used at electrical substations and plant rooms, heavy duty workshops, garages & services facilities, bottling plants and breweries.

ADVANTAGES:

- **Color:** Available in variety of colors.
- **Easy to Use:** Just mix 3 components on site.
- **Pre-packed:** Consistent Quality
- **Water Resistant:** Resistant to staining and absorption when permanently immersed in water.
- **Chemical Resistant:** Excellent resistance to a wide range of chemicals and acids including sewage, urine, salt water, dilute acids, battery acids, alkalis, oils and fats.
- **Antimicrobial:** Will not support bacterial growth in kitchens, swimming pools etc.
- **Non-Tainting and Non-Toxic:** Ideal for use in most areas where drink and foodstuffs are processed.
- **Bond Strength:** Very good bond adhesion to mostly used substrates.
- **Non Absorbent:** Easy to clean and hygienic in service.

PRODUCT DATA:

Property	Result
Form	3 component
Density	1820 Kg / m ³
Pot Life	At 20° C approximately 60 Minutes At 40° C approximately 30 Minutes
Full curing	Complete cure is achieved after 72 hours at 20°C
Tensile Strength	9 N/ mm ² at 7 Days
Flexural Strength	25 N/mm ² at 7 Days
Compressive Strength	70 N/mm ² at 7 Days



METHOD OF APPLICATION:

SURFACE PREPARATION:

All joint surfaces should be free from contamination such as oil, laitance, grease, wax, dirt or any other form of foreign matter, which could affect adhesion.

MIXING AND PREPARATION:

It is recommended that before application, **MITCHTILE GROUT EP** systems should be stored under cover and protected from extremes of temperatures which may cause inconsistent workability and cure times for the mixed material. Ideally, at least 24 hours before mixing, **MITCHTILE GROUT EP** systems should be maintained at approximately 20°C. During application in cold conditions, correct conditioning can help, but application should be halted if the ambient temperature is likely to fall below 10°C. When temperatures exceed 30°C during application, working times may be reduced by as much as 50%.

In order to mix **MITCHTILE GROUT EP** mechanically one need a good drill machinery with torque control and a mixing paddle attachment.

At slow speed of electric drill pour the hardener (Part B) into the base pack (Part A) and mix for approximately 2 minutes or until a uniform consistency and color is gained. After that slowly add the filler (Part C) mixing until a lump free, uniform consistency is achieved. In most applications the full contents of each component pack should be mixed together. However, where necessary, up to 0.5kg of the filler may be reduced to facilitate application at low temperatures. This will improve the application properties on floors and will ease application into narrow joints.

INSTALLATION:

The grouting can be started with the application of the bedding mortar or after the cementitious bedding mortar has fully cured. Apply the epoxy grout to the joints by plastic spatula and finish off. After grouting use wet soft cloth to clean off the excess material. This should take place within 15 minutes. **MITCH CLEANER 1** should be used for this purpose. Surplus material must be removed from the face of the tiles before it sets. Consumed the mixed material within pot life.

COVERAGE:

For 3 mm wider joints for 150 x 150 x 5mm tiles approximately 0.5Kg / m² would be required.

SHELF LIFE:

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is 6 months when stored as above.

PACKAGING:

Available in 3 kg pack.