

Chemtile EP Grout

Chemical resistant epoxy based tile grout

Uses

High strength grout for filling quarry and ceramic tile joints where chemical and abrasion resistance is required such as laboratories, food processing plants, hospitals, abattoirs, kitchen and swimming pools etc.

Chemtile EP Grout is impervious to water and other liquids after cure and provides chemical - resistant joints between walls and floor tiles. The grout may be used in tile joints up to 12 mm gap width for internal and external areas.

Advantages

- Easy & fast application possibilities.
- Long pot life - gives sufficient working duration.
- Waterproof when cured.
- Suitable for Interior and exterior areas.
- Chemical resistant - resistant to acid and alkalis.
- High bond strength to steel, concrete and tiles.

Description

Chemtile EP Grout is a 2 component solvent free epoxy resin based grout consisting of a white base, a black hardener. The components are mixed together to give a smooth, paste type grout of light grey colour having high degree of cohesion.

Properties

Specific gravity: 2.0
Colour (mixed material): Light grey

Pot life: @ 20°C 2 hours @ 35°C 1 hour
Initial set: 8 hours 4 hours
Initial cure: 24 hours 16 hours **Full cure:** 7 days 4 days

Test Method Chemtile EP Grout

Compressive strength:	ASTM C579-75	70 N/mm ²
Tensile strength:	ASTM C307-61	17 N/mm ²
Bond shear strength:	ANSI A118.3	7 N/mm ²
	E5.5	

Instructions for application

preparation

The surfaces should be clean and free from dust, loose particles and grease. Oil and grease contaminated concrete surfaces should be treated with Chemi Tech Chemical Degreaser and then washed well with clean water.

Mixing & Application

The base and hardener components should be individually mixed to re-disperse a. Base and hardener should then be mixed until a uniform grey paste is obtained, may be with the help of jiffy mixer or putty knife.

The mixed grout may be applied rubber trowel, sweeping the grouting paste into the joints. Alternatively use the hand operated gun to fill in the joints. Ensure that all the joints are completely filled.

After about 30 minutes or prior to the expiry of pot life of the grout, clean the excess grout with a cellulose sponge and solvent to provide neat finish.

Cleaning

The grout can be removed from tiles and tools before initial set using a damp rag Chemi Solvent. After initial set mechanical removal is necessary.

Packaging

A 6 kg pack containing Base, and Hardener gives approximately 3 litres mixed material.

Coverage

For 2 mm joints between 152 x 152 x 5.5 mm wall tiles, 6 kg pack will be sufficient for to grout approximately 30 m².

Health and safety

Some people are sensitive to epoxy resin and may develop dermatitis.

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.

Gloves and barrier creams, 9 should always be used when handling Chemtile EP Grout. If contact with skin occurs resin removing creams such as Kerocleanse 22 or Rozalex 42 should be used followed by washing with soap and water. **Never** use any Solvent.

Chemtile EP Grout contains no toxic materials but care should be taken to avoid inhalation of dust and to prevent material entering the eyes. Powder material should be handled to minimize dust formation, use light mask if excessive dust is unavoidable.

Flash points

(Able closed cup method IP33)

Chemtile EP Grout Base:	Over 100°C
Chemtile EP Grout Hardener:	Over 100°C
Chemtile EP Grout Filler:	Not applicable
Chemi Tech Solvent :	37°C

Storage

Shelf life 12 months under normal ambient conditions.

Technical support

The company provides a technical advisory service for on site assistance and for advice on evaluation trials and dispensing equipment.

For further information please contact your local Chemi Tech office.