

Chemgrout EP

4K, stain-free, chemical-resistant,
epoxy-based tile grout

Product Description

Chemgrout EP is a 4-component solvent-free epoxy resin-based stain-resistant tile grout specially formulated for filling joints between ceramic tiles, vitrified tiles, glass mosaic tiles, porcelain tiles, marble, and stone. Highly used in areas where there is a demand for perfect cleanliness, stain resistance, and chemical resistance.

Application

- Swimming pools (including seawater pools), fountains, bathrooms, and washrooms.
- Hotels, houses, schools
- Kitchens, tanneries, paper mills, slaughterhouses, professional kitchens, etc.
- Laboratories of all kinds, clean rooms, and pharmaceuticals
- Hospitals (including operating theatres)

Salient features

- Waterproof and impermeable to liquids
- High mechanical strength
- Easy to apply
- Easy to clean and maintain. Provides smooth surface.
- Long work life
- Chemical resistant - excellent resistance to acid and alkalis.
- High bond strength to steel, concrete and tiles. Variety of colours available
- Resistant to steam cleaning

Product Data

Appearance / colour:	Part A(Resin) Part B (Hardener) Part C (Powder) Pigment	white Hazy Brown White Various colour
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Storage Conditions/Shelf Life

12 months from date of mfg. if stored properly in undamaged seal packaging, at temperature between 5°C-30°C. It should be kept in a cool, well-ventilated area, away from heat, direct sunlight, sparks and children.

Mechanical /Physical properties

Property	Test Method	Value and Unit
Mixing Ratio [Resin: Hardener]		Pre weighed kit
Finish	CPI 1001*	Non porous, Smooth.
Pot Life @ 30 °C	CPI 1002	45 min
Hard Dry [Open for foot traffic]	CPI 1002	24 Hours
Full Cure [Vehicular Movement]	CPI 1002	72Hours
Compressive strength	ASTM C 579	>650 Kg/cm ²
Tensile Strength	ASTM C 307	>170 Kg/cm ²
Bond strength	ANSI A118.3 E5.5	70 Kg/cm ²
Shelf Life	-	12 months in the original unopened Container when stored between 5- 40 °C

Method of Application

Substrate Preparation

Substrate Preparation: other contaminants. Before starting to grout, remove debris in grout joints with a blower and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting.

Mixing

Pour resin part in a mixing pail, add pigment paste and stir it thoroughly. After stirring the resin (Part A), pour all the hardener (Part B) into the container and mix with an electric low speed drill (< 400 rpm.) for approx. 1 minutes Add (part C) Filler Powder and mix until the material is fully homogeneous and lump free.

APPLICATION

The mixed grout should then be applied using a rubber trowel, ensuring that the joints are filled uniformly across the whole width and along their full length. Always work in small areas to ensure full compaction of grout in joints. Alternatively, use the hand-operated gun to fill in the joints. After about 30 minutes or prior to the pot life time of the grout, clean the excess grout with a cellulose sponge and clean warm water without damaging the joint to provide neat finish surfaces.

Coverage

Consumption is dependent upon the texture and porosity of the surface as well as on the size of the tiles and the joints between them. As a general guide, the approximate consumption can be calculated by volume, where ~1.7 kg/m²/mm of material is required.

Cleaning of Tools

Clean all tools and application equipment with clean water immediately after use. Hardened and/or cured material can only be removed mechanically.

Packing

Chemgrout EP available in 5 kg pre weighed Kit

Disclaimer: The Information provided is based on our experience, thorough investigations & sophisticated testing methods, but due to the vast number of applications and usage method,s Chemsol Polymer Industries cannot accept responsibility of any kind for any particular result. It is the responsibility of the user to verify the suitability of the product for their end use and in accordance with the rules and regulations of that country /territory. All information provided pertaining to our products should be treated only as a guidance tool without any guarantee or warranty of any sorts

* All CPI test methods are our scientifically designed internal test methods which can be shared upon request.

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