

CHEMRITE GROUTS – EPOXY TILE GROUT

Chemical resistant, water clean-up, adhesive

Product Description

CHEMRITE® Epoxy Tile grout is a proven multipurpose, two component epoxy tile grout specifically designed to fill joints from 1.5-13 mm in continually wet environments. The lightweight properties make it spread similar to a cement based grout and allow it to cling in vertical joints while still allowing for easy water based clean-up. It offers maximum resistance to staining and chemical attack from food, beverages, chemicals and cleaning agents.

Features

This versatile, low VOC, colour consistent tile grout is formulated to maximise structural strength and maintain excellent workability. It is easy to clean and has an excellent pot life.

Some other features:

- Used to fill joints 1.5 - 13 mm
- Can be used as an adhesive
- Excellent chemical resistance
- High mechanical strength
- Excellent adhesion
- Low VOC
- Non-shrink
- Multi-purpose
- Water cleanable

Available colours

- Alabaster
- White
- Light Grey
- Dark Grey
- Charcoal
- Coffee
- Other colours can be made to order

Typical applications

- Excellent for use in industrial applications such as chemical and food processing plants, dairies, breweries, bottling plants and any area where aggressive detergents and other chemicals used.
- Hospitals, restaurants, food preparation areas and similar installations where clinical sanitation is maintained by harsh cleaning methods.
- Countertops, backsplashes, tub and shower areas, sunken tile tubs and swimming pools that are continually wet.

Resistance to chemical attack	
Methanol	Excellent
Ethanol	Good
Toluene	Excellent
Xylene	Excellent
Butyl Cellosolve	Excellent
MEK	Good
10% Lactic Acid	Excellent
10% Acetic Acid	Excellent
70% Sulfuric Acid	Excellent
98% Sulfuric Acid	Excellent
50% Sodium Hydroxide	Excellent
10% Sodium Hypochlorite	Excellent
1,1,1 Trichloroethane	Excellent

Technical

	CHEMRITE® Epoxy Tile Grout
Shelf Life	2 Year
Work time (@25°C , 55% RH)	40 Minutes
Set time for light foot traffic	24 hours
Bond to concrete	Concrete failure
VOC	Very Low
Specific Gravity	A – 0.78 B – 1.00
Mix ratio	2:1
Kit volumes	2 Kg Kit = +/- 2.5 litres 15 Kg Kit = +/- 20 litres

Preparation and application

Preparation

The surface area should also be free from oil, dust, rust, wax, grease and loose particles. Remove any dust, laitance, grease, curing components, impregnators, waxes and foreign particles.

Mix Preparation

Add all of Part A and Part B to a mixing container (only for 2 Kg batches). For smaller volumes, add 2 Parts of Part A to every Part B in a separate mixing container. Using a drill and paddle mix the compound at a slow speed of about 300 RPM. Continue mixing until it is clear that the compound has a constant consistency and colour. Mix for a minimum of 3 minutes scraping the sides and bottom of the container to insure thorough mixing.

Application

Remove all grout from container and spread out in piles over the surface to be grouted as soon as mixing is completed. This will extend working time. When grouting walls, place epoxy on a mortarboard placed on the floor. Grout vertical surfaces as soon as possible after mixing. Apply grout using a hard epoxy rubber float, filling all joints full and even with surface of tile.

It is important to achieve 100% fill coverage with no voids in the joints to prevent pinholes and slumping of the epoxy grout. Remove excess epoxy by holding the grout float at a 90° angle and pulling the float diagonally across the grout joints using it like a squeegee. Removing as much epoxy as possible will make final cleaning easier. Avoid gouging joints. Do not allow epoxy to set on face of tile.

Cleaning

Apply liberal amounts of clean, warm water to the grouted area. Adding a few drops of dishwashing liquid to the water will aid in clean-up. Using a grout sponge and as little pressure as possible, work in a circular motion across tiles to loosen epoxy film and to finish the joints smoothly. Change rinse water (and sponge if build-up occurs) frequently to aid in clean-up and minimize epoxy residue left behind. As a final step, clean film from tile by dragging a damp, clean microfiber towel flatly across the tiles

All tools and spillages can be cleaned before the curing process has started using the CHEMRITE® Cleaner A011.

Packaging

CHEMRITE® Epoxy Tile Grout is packaged in 2 and 15 litre kits.

Safety Precautions

Whenever applying an epoxy resin, protective clothing must be worn. At a minimum, suitable rubber gloves and protective eyewear must be worn.

This epoxy is classified as hazardous and it is recommended that you refer to the Material Safety Data Sheet (MSDS).

Product Disclaimer

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product and how to use and apply the product based on the information available to us at the time. It is recommended that you read this TDS and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. If you are uncertain about any content herein, it is strongly recommended that you contact one of our technical experts for advice. Our responsibility for products sold is subject to the CHEMRITE Technologies Pty LTD standard terms and conditions of sale. We do not accept any liability for any losses suffered for damages of any nature whatsoever resulting from the use of or reliance upon information or the product to which information refers.

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