

# Megapoxy HELLAS<sup>®</sup>

## Technical Bulletin

### MEGAPOXY TILE GROUT

Issue 2, 03/2004



## Tile grout

### Summary

Megapoxy tile grout is a three component epoxy compound consisting of resin, hardener and inert non-abrasive filler. It was designed specifically for grouting between tiles in food processing areas and other situations where hygiene and prevention of bacterial growth is essential.

### Recommended applications

- Bakeries
- Cheese factories
- Breweries
- Meat Packing Plants
- Soft Drink
- Bathrooms
- Pharmaceutical
- Distilleries
- Kitchens
- Bars
- Laboratories
- Cafeterias

### Characteristics

**Compressive strength:** 80 Mpa  
**Initial set:** 4 hours at 25° Celsius  
**Working time:** 1 hour at 25° Celsius  
**Bond strength:** 2.6 Mpa (concrete fails)

### Availability

Megapoxy tile grout is available in 10 litre kits in which the resin, hardener and filler are premeasured in correct proportions for immediate use. The product is designed to be used as a whole kit and not mixed in small quantities to maximise ease of use and mixing. Megapoxy tile grout is supplied in neutral colour and can tinted using commercially available dry oxides and pigments.

### Recommended method of use

Megapoxy tile grout kit is supplied in 20 litre steel pails, which are to be used as mixing vessels for the grout. Empty the contents of the resin (Part A) and hardener (Part B), ensure that each container is drained properly. Then with an attached electric paint stirrer at low speed mix the resin and hardener together for 4 minutes or until completely uniform and consistent. Then gradually add the inert filler powder (which is provided in a plastic bag) while mixing the two liquids. It is important to mix the part A and Part B for 4 minutes first before adding the filler. At this point the pigments or oxides may be added.

After complete and thorough mixing of all components apply the mixed grout with a rubber grout float ensuring that all tile joints are filled and scrape off excess grout from the tile surfaces.

Immediately after application of the grout, wash gently the surfaces

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**Recommended method of use**  
(continued)

of tiles with cold water using a soft cloth or sponge.

Followed by re-washing of the tile surface may be necessary, up to 3 or 4 more times using clean water and a clean sponge each time, immediately after applying the Megapoxy Tile Grout.

Tile grouting with epoxy resins require considerable skill on the part of the applicator and it is recommended that trials be conducted before undertaking grouting of any area.

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**Chemicals which have no effect on Megapoxy Tile Grout**

Distilled water at 40°C, Petrol, Power kerosene, Diesel fuel, Crude oil, Toluene, MIBK, Carbon tetrachloride, Styrene monomer, Glycerine, Hydrochloric acid all concentrations to 31%, Sulphuric acid all concentrations to 70%, Chromic acid 1%, Acetic acid 5%, Tartaric acid 5%, Citric acid 5%, Linseed fatty acid, Sodium hydroxide all concentrations, Ammonium hydroxide all concentrations to 15%, Detergent 100% liquid, Sodium carbonate 10%, Sodium bisulphate 10%, Methylated spirits, Coca-Cola.

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**Technical service**

All purchasers of MEGAPOXY products are invited to avail themselves of our technical service on epoxy base materials. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.

**Please do not hesitate to contact us, for any additional information.**