

EpegROUT

Packaging



Mixing



Application



Uses



Substrates

Commercial
Food Processing
Areas
Kitchens

Water washable epoxy grout

Description

A three-component, water-washable, chemical resistant, epoxy tile grout for joints up to 3mm.

Joint width	Up to 3mm
Mix ratio	1 part A, 1 part B, 4 parts powder
Initial set of grout (ie. clean off time)	10 minutes
Colours	20 colours Kemgrout Flexible

To be applied by an experienced two/ three-man team, one applying the grout and the others cleaning up.

Uses

Commercial kitchens, hospitals, wineries, breweries, food processing and soft drink factories.

For areas requiring moderate chemical resistance.

Features

- Excellent adhesion to damp and dry surfaces
- Waterproof, hygienic, hardwearing and impact resistant
- Clean up with water
- Simple 1:1 resin hardener ratio
- Good resistance to chemical attack, i.e., dilute acid and alkaline detergents, oils, fats, salts and solvent.

Coverage Use website calculator:
www.constructionchemicals.com.au/calculators

Performance Data

Compression Strength >20MPa

Chemical Resistance

Resistance to mild alkali, acids and petroleum solvents is good. Concentrated acids (and prolonged chemical attack) fair.

Specification

The grout shall be a chemical resistant, water-washable, epoxy grout with a minimum compression strength of >20MPa, such as **EpegROUT** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Joint Preparation

Allow the adhesive to cure for 48 hours before grouting. Joints must be free of all loose material and pools of water.

A guide to tile joint sizes

Internal minimum 2mm, external minimum 4mm or as specified by the tile manufacturer and AS3958.1. **Do not** fix tiles with tight joints. When grouting joints of less than 3mm greater care is needed to place the grout deep into joints before pointing the joints to compact the grout surface.

Mixing

Mix part A and B individually first if not using complete pack. Remove powder from the container. Mix components A and B together thoroughly and slowly add powder (ensure all powder is added to minimise shrinkage). Up to 500g of extra powder can be added to adjust for feel. Mix with a slow speed drill and mixing paddle to thick creamy consistency. Do not entrap air by over vigorous mixing. Thorough mixing is achieved when colour and consistency are uniform. Discard unused material when grout starts to set. Pot life - 60 minutes at 25°C.

Application

Apply the **EpegROUT** with a grouting tool. **Spread only 1-2 square metre sections at a time and clean up after each section.** Point the joint with the edge of a grouting tool or piece of rubber to pack the grout firmly into place.

When mixing or applying EpegROUT, gloves and protective glasses must be worn to avoid possible irritation to sensitive skin. EpegROUT is for use by experienced trade people only. It is advisable to use a two / three man team, one applying the grout and the others cleaning off. This will ensure a total clean up before the EpegROUT sets. For best results, use warm water when cleaning.

Must be applied in accordance with all relevant Construction Chemicals technical information:
www.constructionchemicals.com.au/tech-info/

Cleaning

Do not allow the grout to cure on the face of the tile. Remove surplus grout when the grout has initially set (10 minutes; the grout will pull out of the joint and smear the tile if removed too early) then do a final clean 30 minutes later with a damp epoxy cleaning sponge and a bucket of warm water. Do not flood the surface or use excess water.

1. Use a rubber grout float in a diagonal motion to remove any excess grout from the tile surface.

2. Grout haze is removed with a damp epoxy cleaning sponge used in a circular motion. Frequently clean the sponge and if required the addition of a cup full of vinegar in the wash water will make cleaning easier.
3. Use a chamois or similar to remove any remaining grout haze.

It is essential that the grout haze/smear is completely removed within 24 hours of the grout application. Stubborn smears can be removed with a white, clean scourer. Again, the addition of a cup full of vinegar in the wash water will make cleaning easier.

Maintenance Cleaning

Use mild to mid strength detergents only (do not use acidic cleaners).

Drying Time

Initial set - 24 hours at 23°C and 50% RH
Full cure - 7 days at 23°C and 50% RH
Allow longer in lower temperatures.

Precautions

- Epoxy grout will chalk and discolour over time, but the performance is not affected. External use and light coloured grout is more noticeable.
- Not suitable for use in areas subject to high concentration of chicken fat.
- A trial application is recommended to check the suitability of a specific application and when applying to soft and highly glazed tiles.

Risk

- Irritating to the eyes and skin
- May cause sensitisation by skin contact
- Harmful if swallowed

Safety

Avoid contact with eyes. In case of contact with the eyes rinse immediately with plenty of water and seek medical advice. Avoid contact with skin. After contact with the skin, wash immediately with plenty of soap and water. Avoid breathing vapour or spray mist. Wear suitable gloves and eye/face protection.

Additional information is listed in the Safety Data Sheet. Refer; [Epegrout - SDS](#)

First Aid

- If poisoning occurs, contact a doctor or poison information centre
- If swallowed, do not induce vomiting, give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly
- If in eyes, hold eyes open, flood with water for at least 15 minutes and see doctor

Spills/Leaks

Wear suitable gloves and eye/face protection. Spilt material should be absorbed into dry inert material, (e.g. sand) which can then be put into appropriately labelled drums. The wasted material can be disposed of by incineration, by an approved agent according to local regulations.

Fire

Firefighters should wear full protective clothing and self-contained breathing apparatus. Use water mist, foam, carbon dioxide or dry powder to fight fire.

Poison S5 Contains:

Part A:

Bisphenol-A-(Epichlorhydrin),
Reaction Product 40-45%
Cresyl Glycidyl Ether 25%
Epichlorohydrin <0.01%

Part B:

Tetraethylenepentamine 10-20%
2,4,6-Tri (Dimethylaminomethyl) Phenol 2-5%

Warning Directions

1. Highly corrosive. Strongly alkaline
2. WARNING – May be fatal to children
3. Corrosive liquid, irritant

Shelf Life

When stored in the original, unopened packaging, in a dry place at 23°C and 50% relative humidity, the product has a 24 month shelf life.



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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose. Always refer to the most recent technical datasheet for the product concerned at: www.constructionchemicals.com.au