

MAGPOXY

Chemical resistant, stain free coloured epoxy tile grout



Description

MAGPOXY is a ready to use 3 component epoxy resin based coloured tile joint grout. It is supplied in pre-weighed packs which helps in ease of on site mixing .

Features & Benefits

- Good bonding with most of the floor tiles.
- Available in standard range of colours.
- Provides water tight joints.
- Resistant to mild chemicals and acids
- Abrasion resistant
- Does not facilitate bacteria and fungal growth
- Can be used in high sterile conditions such as - Laboratories, Hospitals, operation theaters and Health care centres.
- Suitable for application in wet areas such as showers, swimming pools and bathrooms.
- Can be used in confined areas since it is solvent free.

Primary Application

MAGPOXY can be used in commercial, residential buildings, Wet areas such as bathrooms, fountains, swimming pools. It can be used in industrial areas such as shop floors, bulk drug industries, warehouses and chemical laboratories. Recommend to used it high sterile conditions such as - Pharmacies, Hospitals, Operation Theaters etc.,

Technical properties

Specific Gravity : 1.650 ± 0.05 o
Pot Life at 27 C : 45mins
Sparingly usable time : 24hrs
Full cure : 7 days
Water Absorption of cured material: Nil
Tensile Strength : 10±2 MPa at 7 days
Compressive Strength : 70 ± 5 MPa at 7 days
Bond Strength : 1.5 MPa (minimum) in 7 days
Shore D Hardness : >70

Chemical Resistance

MAGPOXY is impervious to a variety of chemicals which are commonly used in residential and industrial applications. A few are mentioned below -

- Saline and potable water.
- Mild acids and alkali solutions
- Mineral, edible and medicated bath oils
- Pharmaceutical chemicals
- Aerated drinks, soft drinks and fresh fruit juices
- Dairy Products

Application Instructions

Surface preparation

The tiles shall be aligned to obtain uniform width of the joints. The joints shall be free from loose particles and bond breaking materials. The material is tolerant to reasonable level of moisture.

Mixing

Pour the entire contents of the base part into a suitable container and mix the hardener with the base for 30 seconds.

Next, mix the filler component using a slow speed paddle mixer until a homogeneous lump free mixture of uniform colour is obtained.

Application

Place the mixed material into the joints and compact using a rubber grout float or float trowel such that the joints are completely filled by the grout. Scrape off the excess material if any from the tile surface as soon as possible. Finish off the surface and check the levels in x,y and diagonal directions.

Cleaning

Clean the surplus material (if any) sticking to the surface of the tiles with a damp cloth as soon as possible. Please note that cured material cannot be removed easily by wiping with the damp cloth. When the mixed material not yet gelled can be easily emulsified by water.

Partially set material can be better cleaned with warm water.

Finally, all the tile surfaces shall be cleaned with a sponge

All the tools to be cleans with water before the material is set.

Limitations

- MAGPOXY should be applied when the temperature is above 5° C.
- It should not be exposed to flowing water during application.
- The applied areas shall not be used for at least one week from the date of completion of the job
- Foot traffic can be allowed after 24 hrs, Full traffic after 7 days

Estimating Packaging

MAGPOXY is supplied in 1kg and 5kg combo packs.

Coverage

Theoretical Coverage	1kg Pack	5kg Pack
RMT	30	150
Joint size of 4mm width x 5mm depth		

For different joint size, use the following formula for estimating the quantity of grout required -

$$\frac{\text{Joint Width(mm)} \times \text{Joint Depth(mm)} \times \text{Joint Length(mm)}}{1000}$$

Storage

MAGPOXY has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety instructions

MAGPOXY should not come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapors. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams should therefore be used while handling the product. Adequate ventilation should be ensured and if working is enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - solvent should not be used.

Important note :

Magma products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Magma endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.