

Monneli Grout E

High Performance Epoxy Grout for Tiles

Product Description

Monneli E Grout is a multi-component epoxy grout composed of epoxy resin, hardener, mineral filler and coloring pack. Once all the components are mixed, it will give a thixotropic viscose paste which is used to grout the joints between ceramic tiles, mosaic, natural stones, marble, etc.

Uses

Monneli E Grout is used for internal and external tile grouting for ceramic tiles, mosaic, natural stones (every type of marble especially those sensitive to water such as verde alpi, rosso sicilia, sandstones, slate) klinker, etc.

Monneli E Grout can be used as a tile grout wherever excellent mechanical properties, chemical resistance, and hygienic environment is required. This include chemical factories, food production and processing, catering facilities, electrical and mechanical rooms, service facilities, laboratories, etc.

Advantages

Used for joints between ceramic tiles, acid resistant tiles, clinker, single fired mosaics, etc. with joints width from 3 to 10mm.

Monneli E Grout can be used either on walls or floors, for internal and external joints.

Ideal to use in tanks containing acids, industrial, catering facilities, kitchens, laboratories, swimming pools, heavy duty workshops, garages.

Suitable for sealing tiles joints subjected to chemical aggressive attacks in food industries, hospitals, electrical substations and plant rooms.

- ▶ Non, toxic, hygienic and anti-bacterial
- ▶ Excellent chemical resistance
- ▶ High mechanical properties
- ▶ Impermeable with resistance to staining

Usage Instructions

Surface Preparation

Before application, the edges of tiles should be dry and dust free and emptied at least 2/3 of the tile thickness.

Mixing

The color pack (Part D) should be added to the base (Part A) container and mixed for 20-30 seconds with a slow speed electric drill attached with a suitable paddle. Then add the hardener (Part B) and mix for further 30 seconds. The contents of the graded filler (Part C) then should be slowly added while mixing for further 2-3 minutes until a completely homogenous streak free material of even color and texture is obtained.

Application

Apply the product with hard rubber spatula. The excess mortar must be immediately cleaned with a slightly wet soft cloth. Final cleaning should be executed using a sponge dampened with Monneli Solvent 10.

Cleaning excess mortar should take place within 15 minutes. Extra care should be exercised not to allow water to contact the wet grout.

Allow the grout to cure before allowing any foot traffic. Curing time is approximately 24 hours at +20°C.

Cleaning

Clean tools with Monneli Solvent 10 before the product cures. Hardened material should be removed mechanically.

Technical Data

Properties	Typical Values
Color	Grey or White
Density	1.75 kg/L @ 25°C
VOC	5.8 g/L
Pot Life	60 minutes
Compressive Strength	60 N/mm ²
Flexural Strength	30 N/mm ²
Shrinkage	< 0.15%
Water Absorption	≤0.1%
Resistance to Abrasion (EN 12808-3)	140 (loss in mm ³)
Curing	7 days @ 25°C
Foot traffic allowed (light traffic)	After 24 hours
Ready for use	After 7 days
Temperature of application	+5°C to 35°C
Service Temperature	-5°C to 80°C

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ANS1 A 118.3 - 1992
- ▶ EN 13888 as RG
- ▶ ISO 13007 as RG
- ▶ EN 12808

Chemical Resistance

Surface coated with Monneli E Grout is resistant to the following products:

20% Sulfuric Acid	Resistant
20% Sodium Hydroxide	Resistant
5% Sodium Chloride	Resistant
Motor Oil	Resistant
Mineral Oil	Resistant
Gasoline	Resistant
Carbon Tetrachloride	Resistant
Methyl Alcohol	Resistant
Ethylene Glycol (antifreeze)	Resistant
Methyl Ethyl Ketone	Resistant
Naptha	Resistant
Chloroform	Resistant
Isopropyl Alcohol	Resistant

Consumption

Consumption is according to joints depth and width and the size of tiles. Accurate quantity of consumption can be calculated using the following formula:

$$\text{Formula: } \frac{A+B}{A \times B} \times W \times D \times 1.75 = \text{Kg/m}^2$$

W = width of joint (mm)

D = thickness of tile (mm)

A = length of tile (mm)

B = width of tile (mm)

Packaging

Manufactured in 8 Kg with a pack of three components, base, hardener and filler. Keep the product in a dry place, into original well closed containers.

Storage

Store in air-conditioned dry store. Under these conditions, shelf life will be 12 months in unopened containers.

Recommendation

- ▶ Do not apply Monneli Grout E on expansion joints or on support with high dynamic movements
- ▶ Do not apply the product at temperature less than +5°C. For external application, protect the grouted surface from rain at least 24 hours

Health and Safety

Handle the product with caution. Using gloves and goggles, avoid any contact with eyes and skin. In case of contact with eyes, wash abundantly with warm water and consult a doctor immediately

Legal disclaimer

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