

MONNELI NEOFIL POXY

High Performance Epoxy Grout for Tiles

Product Description

NEOFIL POXY is a two-component epoxy grout composed of base and hardener. 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

- NEOFIL POXY 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), clinker, etc.
- NEOFIL POXY can be used as a tile grout wherever excellent mechanical properties, chemical resistance, and hygienic environment is required. This includes 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.

NEOFIL POXY can be used either on walls or floors, for internal and external joints.

Ideal to use in tanks containing acid, 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.

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

Instructions for Use

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

NEOFIL POXY is supplied in two pre-weighed packs (Component A – Base and Component B – Hardener) which are ready for immediate in-situ use. Stir in both components before use.

Transfer the entire contents of component B (Hardener) into the component A (Base) can and mix with low speed drill and paddle (200 – 300 rpm) for 2-3 minutes till obtaining a mix with uniform consistency. Scrape the sides and bottom of the can during mixing to ensure homogeneity.

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 damped with SOLVENTE 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

All used tools should be cleaned with SOLVENTE 10 before the product cures. Hardened material should be removed mechanically.

Recommendations

- Do not apply NEOFIL POXY 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 for at least 24 hours.

Technical Data

Properties	Results
Colors	White, grey, black other colors upon request
Density at 25°C	1.75 kg/L
VOC	5.8g/L
Pot life at 25°C	60 minutes
Compressive strength	60 N / mm ²
Flexure strength	30 N /mm ²
Shrinkage	< 0.15%
Water absorption	< 0.1%
Resistance to abrasion	140 (loss in mm ³)
Curing at 25°C	7 days
Foot traffic allowed (light traffic)	After 24 hours
Temperature of application	+5°C to 35°C
Service temperature	-5°C to +80°C

All values are subject to 5-10 % tolerance

Applicable Standards

- ISO 13007-1 as RG
- ANSI A 118.3
- EN 13888 as RG
- EN 12808

Packaging

Manufactured as 8 kg kit with two components. Keep the product in a dry place, into original well closed containers, protect from frost.

Chemical Resistance

Surface coated with NEOFIL POXY 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 following formula:

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)

Storage

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

Health & 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.

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