

MONNELI NEOFIL POXY WB

Water Cleanable Epoxy Tile Grout

Product Description

A user friendly, 100% solids, water cleanable epoxy grout used for permanent, chemical resistant grouting of ceramic, glass and stone tile. NEOFIL POXY WB is excellent for counter tops and areas with high traffic and physical abuse.

Uses

NEOFIL POXY WB can be used as follows:

- Grouting of ceramic, porcelain, and quarry tile coverings, acid resistant floor brick, pavers and natural stone tiles
- It is ideally suited for heavy duty commercial installations-indoor and outdoor, where materials are exposed to high trafficking, thermal shock and chemicals
- For application in food processing plants, commercial kitchens, hospitals, fast food outlets, swimming pools, laboratories

Advantages

- Excellent adhesion to damp and dry surfaces
- Water proof, hygienic, hard wearing and impact resistant
- Good resistance to chemical attack
- Easy to apply
- Water cleanable

Instructions for Use

Surface Preparation

The below surface, tiling mortar must have set sufficiently hard. Remove excess adhesive or mortar from the joint area so that 2/3 of the depth of the tile is left available for grouting.

Grout joints and tile surface should be swept or vacuum cleaned. It should be free of standing water, dust, dirt and foreign material.

Mixing

The base and hardener components should be individually stirred to re-disperse any settlement. Transfer part B into the can of Part A and mix thoroughly using a slow speed electric drill with a paddle attachment, taking care to avoid air entrapment which cause pinholes in the grout. Scrape the sides and bottom of the can to assure complete mixing until a uniform consistency and color is obtained. Do not overmix as this will cause the epoxy to flash set.

Application

Allow the tiles to set firmly before grouting (1 to 2 days). Pour the mixed grout onto area to be grouted. Spread grout into open joints of tile or brickwork starting at the lowest areas, making sure grout joints are completely full and then working to the highest areas.

Using a hard rubber float, work grout into the joint and strike excess grout from the tile faces in a squeegee fashion. Be certain to pass over joints on a 45° angle so as to not disturb the grout that has already flowed into joints. Remove all excess epoxy from the surface of the tile with the rubber float before it begins to set by turning the float perpendicular to the tile surface and skimming it diagonally off the tile surface.

Clean the remaining grout off the surface of the tile by making circular movements with a coarse sponge pad and a little water. Wipe off the resulting slurry with a soft sponge. Frequently rinse the sponge in clean water while cleaning the tile surface.

Do not begin cleaning the surface before NEOFIL POXY WB has started to set. For final cleaning, wait for at least 3 hours but no more than 6 hours to remove the remaining film from the surface with a soft sponge.

Cleaning

Tools, gloves and application equipment should be cleaned immediately with hot water, while material is still wet. Once the material gets hardened, mechanical removed will be necessary.

Technical Data

| Properties | Results |
|----------------------------|---|
| Color | White, grey, black, other colors upon request |
| Wet density at 25°C | 1.59 kg/L |
| VOC | 9.0g/L |
| Open time | 60 minutes |
| Compressive strength | 50 N / mm ² |
| Flexural strength | >25 N / mm ² |
| Water absorption at 7 days | 0.3% |
| Shrinkage (7 days) | < 0.25 % |
| Sag (Vertical joints) | None |
| Chemical resistance | Excellent for most solvents, acids, alkalis |
| Load bearing strength | After 24 hours |
| Service temperature | -5°C to +80°C |

All values are subject to 5-10 % tolerance

Applicable Standards

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

Consumption

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

$$\text{Formula: } \frac{A + B}{A \times B} \times W \times D \times 1.59 = \text{Kg./m}^2$$

W = width of joint (mm)

D = thickness of tile (mm)

A = length of tile (mm)

B = width of tile (mm)

Packaging

NEOFIL POXY WB is supplied in 2 components 5kg and 10kg kit.

Storage

Store in dry and covered place out of direct sunlight and protect from high temperature (higher than 35°C). Shelf life is 12 months if stored as recommended.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water.

In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
ITALY

P.O. Box 123808 Dubai UAE
P.O. Box 127326 Abu Dhabi, UAE
Z.I. Ponte d'Assi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450
T. +971 2 5511949 F. +971 2 5511749
T. +39 75 9221297 F. +39 75 9221174

NEOFIL POXY WB
Technical Data Sheet
Edition: September 2021
Revision: 03