



Polymix

Grout Hardener

Polymer Emulsion

Impart flexibility, water
& stain resistant, abrasion resistant.



Description

Polymix is a white, polymer emulsion to be added in Roff cementitious tile grout to enhance the performance properties and durability of the tile grout. Addition of Polymix with Polymix grout helps to impart more flexibility, strength, water & stain resistance, abrasion resistance and to fill wider joints between tile and stone

Standard Compliance / Specification

Polymix complies to CG2W requirements as per “BS EN 13888:2009 - Requirements, evaluation of conformity, classification and designation gouts for tiles and ISO 13007-Part 3 : Terms, definitions and specifications for grouts”

Area of Use

Surface to be grouted :

All types of ceramic tile, glazed & porcelain tiles, vitrified & fully vitrified tiles, natural stones*, large format tiles, glass mosaic tiles

Area of application :

Floor and walls, internal & external area*, domestic applications, commercial applications*, wider tile joints up to 6 mm.

Features and Advantages

- Easy to use & clean - Just mix with Polymix grout on site, ready to use.
- Polymer emulsion - Impart flexibility, water & stain resistant, abrasion resistant.
- Suitable for varied tile and stones - Ceramic, vitrified, marbles, granites etc.
- Crack free and less of shrinkage reduces the chances of water seepage.
- Durable - Enhances compressive & flexural strength and shock resistance

Limitations

- Easy to use & clean - Just mix with Polymix grout on site, ready to use.
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Technical Information

APPLICATION PROPERTIES (Roff RTM Wide Additive + RTM Cement Tile Grout)

Testing Properties	Test Results
Appearance/ Color	White Liquid
Tentative Mixing Ratio (RTM : RTM Wide Additive)	200 ml or 400 ml for 1 kg RTM (2.5 - 3 : 1 by weight)
Mixed Density	1.75 ± 0.05 kg/ litre
Pot life @ 30°C	Approx. 60 minutes
Joint Width	1 – 6 mm
Sag Resistant	Non-sag
VOC Content (as per EPA 24)	< 14.41 g/ litre
Application Temperature	from +10° C to +35° C
Light Foot Traffic	24 hours
Regular Traffic	72 hours
Final Curing Time	28 days

PERFORMANCE PROPERTIES

Testing Properties	Requirement	Test Results
a) Compressive Strength, 28 days (EN 12808-3)	≥ 15 N/mm ²	15 – 20 N/mm ²
b) Flexural Strength, 28 days (EN 12808-3)	≥ 2.5 N/mm ²	5 - 7 N/mm ²
c) Linear Shrinkage, 28 days (EN 12808-4)	< 3 mm/m	< 0.5 mm/m
d) Water Absorption after 30 minutes (EN 128080-5)	< 5 gm	< 1 gm
e) Water Absorption after 240 minutes (EN 128080-5)	< 10 gm	< 1 gm

Substrate Preparation

- Ensure 24 hours time interval for grouting after tile fixing.
- The joints must be dry, clean, free of dust & adhesive.
- Emptied at least 2/3 of the tile thickness depth.
- Before grouting, make sure that the installation the adhesive has set and released most of its moisture. The joints should not be wet during work.
- Put masking tape by side of grouting space or sealer if necessary

Mixing

- Shake the bottle prior to mixing.
- Take Polymix into a clean mixing pail. Add Polymix Powder and mix thoroughly by hand or with a slow speed mixer (<300 RPM).
- Avoid entraining air by mixing at very high speed or by over-mixing.
- Make sure that uniform color & lumps-free consistency is achieved.
- Allow the mix to slake for 2-5 minutes and remix.
- Use the paste within 60 minutes from mixing.

Application

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.
- Work in small areas to have better control on removing the excess grout from joints and surface by moving the squeeze diagonally to the grout lines
- Ensure that joint is filled completely, and grout is not just sitting on top.

CLEANING & FINISHING :

- Clean off the surplus grout from tile joints and tiles within 30-45 minutes/ before the product dries.
- Initially use a rough textured sponge dampened with water to remove the grout residue
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ Polymix tile cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

Precautions & Note

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- Polymer emulsion - Impart flexibility, water & stain resistant, abrasion resistant.
- Suitable for varied tile and stones - Ceramic, vitrified, marbles, granites etc.
- Crack free and less of shrinkage reduces the chances of water seepage.
- Durable - Enhances compressive & flexural strength and shock resistance

Limitations

- Do not apply on wet/damp tile joints. Always apply on completely dry tile joints.
- Do not over-mix the material. Over-mixing can reduce the pot life.
- Do not allow grout to harden on the face of the tile. Clean promptly
- While cleaning change frequently the water. Change cleaning cloth/ sponge when they are impregnated with grout.
- Do not allow water to flow/run into un-grouted joints while application.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- In case of grouting natural stones, it is necessary to execute a preliminary test, in order to verify the absorption of color by the stone slabs. To avoid this problem, mask the tiles before grouting. A sealer or grout release may be required.

Shelf Life

24 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature

Packaging

100 ml, 250 ml, 500 ml & 1 Ltr.

For Feedback / Suggestion & Complaints:

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