

Roff Grout EP



EPOXY TILE GROUT

Description

Roff Grout EP is a solvent free epoxy tile grout for interior and exterior use. Roff Grout EP provides the optimum solution for demanding industrial environments, swimming and leisure pools. Roff Grout EP is designed to grout most common industrial tiling products with all ceramic, stone, marble and porcelain tiles. Roff Grout EP is supplied in a limited range of standard colours.

Classification in compliance with EN 13888: Roff Grout EP is a reaction resin (R) grout (G) classified as RG

Typical Applications

- Manufacturing plants and industrial floors
- Wet areas
- Swimming pools and water features

Features

- High Strength
- Hygienic, will not support bacterial growth
- Waterproof
- Chemical resistant
- Interior and exterior use
- Easily applied, clean up with water

Suitable Substrates

Cement based screeds and concrete, cement based plaster, brickwork and dense concrete blocks, resin coatings, glazed and unglazed ceramic and porcelain tiles.

Packaging

3 kg units

Method of Application

1 SURFACE PREPARATION

- All surfaces must be sound, clean and free of any trace of dirt, dust, oil or grease. All joints should be devoid of extruded adhesive. Standard OPC cement based adhesives should be allowed to dry for a minimum of 24 hours prior to application. For fast cure cement based adhesives consult Pidilite Technical Team.

2 MIXING

- Roff Grout EP is supplied in two parts. The required quantity should be mixed in equal proportions using a pallet knife or similar until an even streak-free mid-grey colour is achieved. Larger quantities maybe mixed using an electric mixer.

3 APPLICATION

- Roff Grout EP should be applied directly to the joints using a cartridge gun, pallet knife or plastic spatula. Remove all excess surface material using a wet fibril cleaning pad. Do not allow the material to set on the face of the tiles.

4 CURING

- Installation using Roff Grout EP may be opened to foot traffic after approximately 8 hours at 20°C and vehicle traffic after 36 hours. Full chemical resistance is achieved after 7 days.

5 JOINT DESIGN

- All movement joints in the substrates should be brought through the finished floor.

6 CLEANING

- All tools should be cleaned using water prior to curing. Cured material can only be removed mechanically.

Note:

- There should be a fully functioning vapour below all concrete substrates.
- Roff Grout EP will discolour if used external applications.

TECHNICAL DATA

VOC Content	<10 g/ltr (max allowable 50g/ltr)
Cure time	12 hours @ 30°C
Flexural Strength	≥ 20 N/mm ² @7 days (BS 6319-3)
Compressive Strength	≥ 45 N/mm ² @7days (ASTM C579)
Tensile Strength	≥ 7 N/mm ² @7 days (ANSI 118.3)
Bond Strength to concrete	≥ 2.5 N/mm ² @7 days (ASTM D4541)
Chemical Resistance	Resistant to various chemicals like mild acids, alkalis, hydrocarbon solvents, grease etc.

TECHNICAL DATA IN COMPLIANCE WITH

European EN 13888 as RG
American ANSI 118.3

Roff Grout EP



EPOXY TILE GROUT

Grout Consumption Formula

$$C = 1.80 \times E \times H \times [(L + W) / (L \times W)]$$

C is Consumption (kg/m²)

E is Joint Width (mm)

H is Tile Thickness (mm)

L is Tile Length (mm)

W is Tile Width (mm)

Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

Health and safety Precautions

As with all epoxy, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with water soapy water or resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for further information.

Pidilite MEA Chemicals L.L.C offers a wide range of structural protection and waterproofing systems:



WATERPROOFING



CONCRETE & STRUCTURAL REPAIR



CRACKFILL & SEALANTS



BONDING AGENTS



SURFACE PLASTERS



GROUTS & ANCHORS



MORTARS



MARBLE & STONE PROTECTION



PERFORMANCE FLOORING



UNDERLAYMENTS



SPECIALITY CONSTRUCTION PRODUCTS



TILE ADHESIVES & GROUTS



Pidilite MEA Chemicals LLC

PO Box 120657

Dubai, United Arab Emirates

Tel: +971 4 884 9880

Fax: +971 4 884 9879

Web: www.pidilitemea.com

Disclaimer: The product information & application details given by the company & its agents have been provided in good faith & ment to serve only as general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problem, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee/warranty as to the other results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products