

Roff Tile EPM



EPOXY TILE ADHESIVE AND GROUT FOR MOSAIC TILES

Description

Roff Tile EPM is a three component, solvent free water cleanable epoxy tile adhesive for interior and exterior use. Roff Tile EPM incorporates fine aggregate making it suitable for use with glass and porcelain mosaic tiles in dry and wet environments including swimming and leisure pools. Roff Tile EPM is supplied in a range of standard colours.

Classifications in compliance with 13888: Roff Tile EPM is a Reaction resin (R) grout (G) classified as RG

Classifications in compliance with 12004: Roff Tile EPM is an improved (2) reaction resin (R) and slip resistant (T) classified as R2T

Typical Applications

- Commercial and domestic
- Swimming pool
- Water areas
- Floor and wall tiling
- Indoor and outdoor

Features

- Hygienic, will not support bacterial growth
- Flexible
- Suitable For application to GRP and GRC
- Waterproof
- Chemical Resistant
- High initial grab
- Easily applied, clean up with water
- Highest order of adhesion
- Thixotropic

Packaging

7 kg units

TECHNICAL DATA

Pot life	45 minutes
Pull off Strength	1.22N/mm ² (BS1015:12&BS1881:207)
Service temperature limit (dry)	105°C
Service temperature limit (wet)	65°C
Compressive strength	66.3N/mm ² @14days(BS6319-2)
Tensile strength	2.5N/mm ² @7days(BS6319-2)
Flexural strength	9.9N/mm ² @7days(BS6319-3)

TECHNICAL DATA IN COMPLIANCE WITH
ISO 13007-1 R2T
American ANSI 118.3
European EN 13888 as RG
BS EN 12004 as R2T

Method of Application

1 SURFACE PREPARATION

- New floor and wall surfaces must be a minimum of 28 days old to allow all standard concrete and blockwork shrinkage. Surfaces must be sound, free of all contaminants and any material which may inhibit adhesion and should not be subject to movement.
- If necessary, mechanically prepare concrete substrates to remove contamination, coatings or poorly bonded material.
- Vacuum to remove all dust and debris deposits. Any making good should be carried out using a suitable Dr Fixit repair mortar (consult Technical Department).

2 PRIMING

- Priming mineral substrates is not normally necessary however excessively porous or friable surfaces should be primed using Rokprime EPSF epoxy primer.

3 MIXING

- Mix Part A (resin) to re-distribute any settlement, decant into a suitably sized mixing vessel, add part B (hardener) and mix for a minimum of 2 minutes using a slow speed electric paddle mixer. Add the entire contents of part C (filler) and mix for a further 2 minutes until fully homogenous. Once mixed, spread the material thinly on a polythene sheet to reduce heat production and extend the pot life. Note; Pot life is 45 minutes at 20°C.

4 APPLICATION

- Spread the adhesive with a fine mosaic trowel and immediately press the mosaic into place. Remove any excess adhesive extruded from joints immediately with a sponge or cloth wet with water. Allow to cure for approximately 8 hours prior to grouting.
- Grouting can commence after 8 hours at 20°C. Roff Tile EPM should be applied directly to the joints using a 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.

5 CURING

- Installations using Roff Tile EPM may be opened to foot traffic after approximately 4 hours at 25°C and vehicle traffic after 36 hours. Full chemical resistance is achieved after 7 days.

6 JOINT DESIGN

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

7 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 barrier below all concrete substrates.
- Roff Tile EPM will discolour if used in external applications.

Theoretical Coverage

1.8kg per mm thickness per metre as an adhesive

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 resins, 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 warm soapy water or a 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.

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



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