

# Roff Tile EP



EPOXY TILE ADHESIVE AND GROUT

## Description

**Roff Tile EP** is a three component, solvent free water cleanable epoxy tile adhesive for interior and exterior use. Roff Tile EP provides the optimum solution for demanding industrial environments, water features, swimming and leisure pools. Roff Tile EP is designed to bond most common industrial tiling products together with all ceramic, stone, marble and porcelain tiles. Roff Tile EP is supplied in a limited range of standard colours.

**Classifications in compliance with 13888:** Roff Tile EP is a

Reaction resin (R) grout (G) classified as RG

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

## Typical Applications

- Industrial and commercial
- Floor and wall tiling
- Swimming pools
- Indoor and outdoor

## Features

- Ceramic, stone, marble and artificial stone tile and paviers
- Hygienic, will not support bacterial growth
- Suitable from 1.5mm thick
- Waterproof
- Chemical Resistant
- High initial grab
- Easily applied, clean up with water
- Highest order of adhesion

## Packaging

20 kg units

## TECHNICAL DATA

<b>Pot life</b>	45 minutes
<b>Pull off Strength</b>	≥ 2.0 N/mm <sup>2</sup> (BS1015:12 & BS1881:207)
<b>VOC Content</b>	<10 g/ltr (max allowable 50g/ltr)
<b>Service temperature limit (dry)</b>	70°C max
<b>Compressive strength</b>	≥ 55 N/mm <sup>2</sup> @14days (ASTM C579)
<b>Tensile strength</b>	≥ 10 N/mm <sup>2</sup> @7days (ANSI 118.3)
<b>Flexural strength</b>	≥ 20 N/mm <sup>2</sup> @7days (BS6319-3)
<b>Chemical Resistance</b>	Resistant to various chemicals like mild acids, alkalis, hydrocarbon solvents, grease etc.

## 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.

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## 3 MIXING

- Roff Tile EP is supplied in a three part kit. 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.

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## 4 APPLICATION

- Notched trowel application is not recommended for chemical resistant work. “Butter” the underside of tiles and the underside and sides of paviours with Roff Tile EP and immediately press firmly into place. Remove any excess adhesive extruded from joints immediately with a sponge or cloth saturated with water. Allow to cure for approximately 8 hours prior to grouting.
- Grouting can commence after 4 hours at 25°C. Roff Tile 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.

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## 5 CURING

- Installations using Roff Tile 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.

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## 6 JOINT DESIGN

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

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## 7 CLEANING

- Clean all adhesive spillage and any extruded through the tile joints prior to setting, using a damp sponge. 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 EP will discolour if used in external applications.

### Theoretical Coverage

1.8kg per mm thickness per meter 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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TILE ADHESIVES & GROUTS

# Roff Tile EP



EPOXY TILE ADHESIVE AND GROUT



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