

# Roff Tile NSA



CEMENTITIOUS NON-STAINING NATURAL STONE ADHESIVE

## Description

**Roff Tile NSA** is a highly polymer modified water resistant, single component, cement based adhesive suitable for interior and exterior domestic and commercial use. Roff Tile NSA is designed to bond stone and marble tiles in a broad range of applications including showers and wet rooms with a reduced risk of staining. Roff Tile NSA is supplied in grey and white colors and is suitable for thick and thin bed application.

## Classifications in compliance with ISO 13007: Roff Tile NSA

is improved(2) cementitious(C) slip resistant(T) extended open time (E)

## Typical Applications

- Commercial and residential
- Stone and marble tile fixing
- Floor and wall tiling
- Wet area
- Highest order of adhesion

## Features

- High Strength
- Non-staining due to low water content
- Water resistant
- High initial grab
- Non Slump
- Designed for Middle East Climate
- Suitable for natural stone and marble
- Improved adhesion and open time

## Suitable Substrates

**Walls:** Suitable for use on concrete, cement based plaster, brickwork and dense concrete blocks. Can be applied to gypsum and cement board when using Roff Acrylic Primer.

**Floors:** cement based screeds and concrete. Suitable for tile on tile applications.

## Packaging

25 kg bag

## TECHNICAL DATA

<b>Pot life</b>	50 minutes
<b>Open time</b>	30 minutes
<b>VOC Content</b>	<1% (complies to EMICODE EC1)
<b>Compressive Strength</b>	21.90N/mm <sup>2</sup> @28days (BS 6319-2)
<b>Flexural Strength</b>	6.97N/mm <sup>2</sup> @28days (BS 6319-3)
<b>Tensile Strength</b>	3.9N/mm <sup>2</sup> @28days (BS 6319-7)
<b>Pull off Strength</b>	1.3N/mm <sup>2</sup> @28days (BSEN 1015:12 & BS 1881:207)

## TECHNICAL DATA IN COMPLIANCE WITH

ISO 13007-1 C2TE  
BS EN 12004 as C2TE  
American ANSI 118.4  
BS 5980-1980

## Method of Application

### 1 SURFACE PREPARATION

- New mineral floor and wall surfaces must be a minimum of 28 days old to allow for 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 or Roff smoothing screed (consult Technical Department).

### 2 PRIMING

- Priming mineral substrates is not normally necessary however excessively porous or friable surfaces should be primed using Roff Tile PA. Priming any substrate will reduce the suction and therefore improve adhesion and extend the open time of the applied material.

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### 3 MIXING

- One bag of Roff Tile NSA should be added slowly to 5 litres of clean water, or approximately 3.2 parts powder to 1 part water by volume. Mix using a heavy duty paddle mixer to achieve a creamy, lump free consistency. Roff Tile NSA should be used within its pot life 50 minutes. If the material begins to firm up do not add additional water after the original mixing. Dispose of any material not used within the pot life.

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### 4 APPLICATION

- Solid bed: for all floor tile applications and wall tiling in wet areas; apply the mixed adhesive directly to the surface at 3-6mm thick and comb the surface with notched trowel. Only spread sufficient material that can be tiled within the open time of 30 minutes. Press the dry tiles firmly into place with a slight twisting motion to ensure full contact with the adhesive and prevent any voids. When floor tiling allow 24 hours before applying grout, when wall tiling, grouting may commence as soon as the adhesive is sufficiently firm.
- Notched trowel: for wall tiling in dry areas; apply the mixed adhesive directly to the surface using 6mm x 6mm notched trowel. Only spread sufficient material that can be tiled within the open time of 30 minutes. Press the dry tiles firmly into place with slight twisting motion to ensure full contact with adhesive and prevent any voids. Deeply textured tile backs should be "battered" with adhesive to fill the texture prior to application to the wall. Grouting may commence as soon as the adhesive is sufficiently firm.

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### 5 JOINT DESIGN

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

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### 6 CLEANING

- Clean all adhesive spillage and any adhesive 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.

#### Theoretical Coverage

7m<sup>2</sup> per 25kg unit using a 6mm x 6mm notch (water addition 5ltrs per 25kg bag)

#### 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

When mixed with tile adhesive the resultant material contains cement, and contact with the skin can cause irritation. When mixing a properly designed and maintained face mask should be used whilst handling to avoid dust inhalation. Avoid contact with the raw or mixed product by working carefully, using barrier cream and wearing protective gloves. In the event of skin contact, wash immediately and thoroughly with clean water. Avoid contact with eyes, use eye protection. If contact with eyes occurs, irrigate with water for 20 minutes and seek medical advice. Do not ingest, if mistakenly ingested, drink plenty of clean water and seek medical advice.

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