

# ROCKFLOW

## Ultra tough floor repair and screeding product



### Repair large, uneven floor surfaces without the need for trowel finishing.

#### What is Rockflow?

Rockflow is a single part, high strength, rapid drying and curing cementitious smoothing and levelling compound. Rockflow can repair large, uneven floor surfaces, without the need for trowel finishing.

Rockflow's unique, rapid-curing, formulation can be used on a variety of building materials, is easy to apply and will even self-level to save you time.

#### How does Rockflow work?

Rockflow's formulation incorporates a blend of specially graded fillers, cements and polymers with a rapid curing profile. The formulation won't shrink and can be used on a wide variety of surfaces, curing to a tough finish.

#### Key features and benefits of Rockflow

Easy to use formulation – just add water

Can be laid at depths of 3mm to 60mm

Cures rapidly – area is useable after 3 hours

Can be used on damaged and uneven floors as Rockflow self-levels

Ultra tough and durable – can be used for high traffic areas

Tools can be washed off with water

Use on a range of materials such as sand, concrete, asphalt and cement

Covers small or large areas

#### How do I use Rockflow?

##### Mixing and Application

Mixing ratios of powder and water should be controlled to ensure a free flowing material suitable for 3-60mm application. Do not use excess water as this will affect the product performance and finish.

For trowel and hand application, mix in a clean bucket using cold water, as warm water will greatly reduce the product's working time and may result in shrinkage.

1. Pour 3.4 litres of water into an oversized bucket (20+ litres).
2. Gradually add the powder, whilst mixing continually with an electric drill with power whisk.
3. When all powder is added, mix for a further 2 minutes, keeping the whisk below the surface (to minimise air entrapment), until a lump free, creamy material is attained.
4. Once mixed, the product can be applied by pouring onto the floor and spreading with a smooth edge steel trowel. Plan to begin at the furthest point working back towards the point of entry to avoid walking through wet product. Maintain a wet edge to ensure adjacent mixes blend in correctly.

**TEROTECH** Riverside Industrial Estate, Fazeley, Tamworth, Staffordshire, B78 3RW.  
Head Office, Warehousing and Distribution: Tel: 01827 283322, Fax: 01827 250143. Telesales: 01270 611031

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### Curing and Drying

All curing and drying times are based on good site conditions, air temperature of 20°C, air humidity of maximum 75% and good ventilation. Cold, humid or damp sites, or those with poor airflow, will prolong curing and drying times, so make adequate allowances for such. Avoid strong drafts and direct sunlight during curing which can 'force dry' the product and result in excess tension and cracking. Rockflow is ready to receive light foot traffic after 3 hours.

### Site Conditions

The drying characteristics of Rockflow are directly influenced by ambient air and floor temperatures. Cement within Rockflow cures through a process of hydration using moisture. Extreme site conditions can affect this process i.e. below 5°C and above 30°C.

TECHNICAL DATA	
<b>Classification</b>	CT-C35-F6
<b>Depth</b>	3-60mm
<b>Working time at 20°C</b>	20 – 30 minutes*
<b>Walk on hardness time at 20°C</b>	3 hours* (3mm minimum application)
<b>Compressive Strength (N/mm<sup>2</sup>)</b>	28 days: 35.0 (to BS EN 13892-2)
<b>Flexural Strength (N/mm<sup>2</sup>)</b>	28 days: 6 (to BS EN 13892-2)
<b>Shelf Life</b>	8 months

COVERAGE		
Applied Thickness	Coverage Per Unit (approx.)	Consumption Per 10m <sup>2</sup> Area
3mm	4.0m <sup>2</sup>	2.5 tubs
5mm	2.4m <sup>2</sup>	4.2 tubs
10mm	1.2m <sup>2</sup>	8.4 tubs
15mm	0.8m <sup>2</sup>	12 tubs

Ideal ambient air and floor temperatures for application are between 10°C and 22°C. These temperatures should be maintained throughout application and curing periods. High humidity and low temperature prolongs evaporation of moisture from the freshly applied Rockflow and therefore extends drying times. Low humidity and high temperature conditions will speed up drying by fast removal of moisture from the freshly applied Rockflow.

### Cleaning

Tools should be thoroughly cleaned with water to remove excess material immediately after use before setting.

### Storage

Store in unopened tubs, clear of the ground in dry conditions.

### Health & Safety

Please ensure that you have read the SDS for Rockflow in its entirety and wear the appropriate PPE when preparing, mixing and applying Rockflow.

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