

Performance you can trust

## SAFE STEP<sup>®</sup> Concrete Repair Compound

Part Code: 42025  
Pack Size: 25kg Unit

|             |       |
|-------------|-------|
| No of Pages | 02    |
| Issue No    | 05    |
| Date        | 1/15  |
| Ref         | SSCRC |

### Description

SAFE STEP<sup>®</sup> Concrete Repair Compound is a cementitious dry mix compound, which when supply mixed with water gives a rapid setting permanent, durable repair mortar.

SAFE STEP<sup>®</sup> Concrete Repair Compound is simple to use and is suitable for all concrete where a repair compound is needed. Ideal for road, floor, runway, kerbs, paths, manholes, lintels, gullies, fixing of street furniture etc.

### Features and Benefits

- Rapid setting and ready for heavy use in 4 hours.
- Highly resistant to impact and scuffing, abrasion, water, steam, oils and most common chemicals and solvents.
- One part product – simply add water prior to use.
- Coverage: 12.5 litres per 25kg pack.
- For internal and external use.
- Ideal for medium to large repairs.

### Technical Data (Typical)

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Chemical Type:                       | Silica sand and cementitious blend                                                                                    |
| Shelf Life:                          | 2 years                                                                                                               |
| Mixing Ratios:                       | 2.2-2.85 litres of water per 25kg unit                                                                                |
| Usable Life After Mixing with Water: | @ 20°C (68°F) 12 minutes<br>@ 5°C (41°F) 20 minutes                                                                   |
| Shrinkage:                           | Nil                                                                                                                   |
| Cure Times @ 20°C                    | 90 minutes – pedestrian traffic use<br>240 minutes – high vehicular traffic use<br>7 days optimum physical properties |
| Yield:                               | 12.5 litres per 25kg unit                                                                                             |
| Density:                             | 2.15-2.5 g/cm <sup>3</sup>                                                                                            |
| pH (when mixed):                     | 13.5                                                                                                                  |

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BS EN ISO 9001  
Certificate No. FM 12448



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# Technical Data

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|                                                                                                                 |                                                                                                             |      |       |        |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------|-------|--------|
| <b>Durability:</b>                                                                                              | Highly resistant to impact and scuffing, abrasion, water steam, oils and most common chemicals and solvents |      |       |        |
| <b>Physical Properties:</b><br>Compressive Strength N/mm <sup>2</sup><br>(BS 1881 Pt. 4 using 70.7mm cubes) PSI | 1 Hr                                                                                                        | 4 Hr | 24 Hr | 7 Days |
|                                                                                                                 | 8                                                                                                           | 33   | 53    | 65     |
|                                                                                                                 | 1160                                                                                                        | 4785 | 7685  | 9425   |

## Surface Preparation

All surfaces should be clean and free from laitence, oil, grease and loose adhering material.

For best results, edges of hole to be repaired should be chipped square to a depth of at least 5mm rather than feather edging.

Moisten surface with clean water, but leave no free water.

## Application Techniques

Add the specified quantity of clean water and mix until the desired consistency is obtained (2.5 Litre's of water per 25kg of Concrete Repair Compound).

Press firmly into area to be repaired and smooth to required surface finish with trowel.

Can be mixed in pail, board or in a concrete mixer.

## Storage

SAFE STEP® Concrete Repair Compound should be stored at 5-40°C in dry conditions free from damp.

## Cleaning

Clean all tools in clean water immediately after use.

## Limitations

Addition of excessive water will reduce strength and induce shrinkage cracking.

The rate of strength development will vary, dependant on ambient temperature and generally will be slower to develop at temperatures less than 20°C (68°F) than those quoted in the physical properties.

## Health & Safety

**Refer to Safety Data Sheets before use** – Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL® contact.

**Disclaimer:** The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which may affect the use and performance of our products, for this reason it is given without responsibility.

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