

**Single part, non shrink, cementitious, crack sealer for plaster, masonry and concrete**

### Uses

Renderoc CS is used for sealing cracks on plaster, masonry and concrete substrates.

### Advantages

- **Single component** - easy to use
- **Versatile** - can be used for plaster, masonry or concrete, can be painted after application
- **Non sagging** - can be used for horizontal, vertical and overhead applications
- **Good adhesion** - effective bonding with substrate
- **Non Shrink** - shrinkage cracking eliminated

### Description

Renderoc CS is a crack sealing cementitious material in powder form. It is easy to apply and can be finished or smoothed off with a putty blade or a damp sponge. It sets quickly on application and can be over coated with common paints / coatings.

### Properties

|                                  |  |
|----------------------------------|--|
| Colour                           | White  |
| Setting time                     | 15 to 20 min   |
| Compressive strength (ASTMC109)  | 22 N/mm <sup>2</sup> in 7 days and 24 N/mm <sup>2</sup> in 28 days |
| Fresh wet density                | 1.95 g/cc  |
| W/p Ratio                        | 0.36   |
| Mix proportions by volume powder | 1 part water : 2.5 -3 parts of powder                              |
| Minimum application temperature  | 10°C   |

### Application instructions

#### Surface Preparation

The cracks to be sealed shall be saw cut or chiselled to form a 'V' groove of approximately of 6mm x 6mm. The grooves shall be cleaned to remove all the loose particles, dust, etc.

The groove shall be sprinkled with clean water before applying the sealing mortar.

### Mixing

Renderoc CS shall be mixed with water adopting w/p ratio 0.36 by weight or a mix porportion of 1 part of water to 2.5 - 3.0 parts of Renderoc CS, by volume. Thorough mixing shall be carried out till a smooth, homogenous paste is obtained.

### Application

The mixed paste is filled into the groove by gloved hand and the surface finished using a putty blade. This is continued till the full length of crack is sealed.

### Curing

Curing is necessary only when groove size exceeds 6mm width or in areas exposed to UV.

### Cleaning

Tools may be cleaned with clean water as Renderoc CS is a cement based product.

### Limitations

Renderoc CS crack sealer cannot be used for moving cracks and for crack width greater than 30mm.

### Estimating

#### Packaging

Renderoc CS is supplied in 1kg. packs.

#### Coverage

38 RM for a V groove crack of 6mm x 6mm. The actual coverage may vary depending on the substrate conditions.

### Storage

#### Shelf life

Renderoc CS has a shelf life of 6 months in original unopened packs if stored in unopened conditions below 35°C.

### Precaution

#### Health & Safety instructions

Renderoc CS has no health hazards in normal use. Gloves shall be worn while mixing and during application. Splashes of material to the eyes shall be washed off with clean water. In the event of prolonged irritation, medical advice shall be sought.

**Fire**

Renderoc CS is non flammable.

**Additional information**

Fosroc manufactures a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete. These include hand placed and trowellable repair mortars, fluid micro concretes, chemical resistant epoxy mortars and a comprehensive package of protective coatings. In addition, a wide range of complimentary products are available. These include admixtures, joint sealants, waterproofing membranes, grouting, anchoring, and specialised flooring materials.

Separate datasheets are available on these products.

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