

# Method Statement

## Renderoc CS

### Section A : General Comments

#### High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

- (i) Store unmixed materials in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment that will come into direct contact with the material itself.
- (iii) Try to avoid application during the hottest times of the day, arrange temporary shading as necessary.
- (iv) Make sufficient material, plant and labor available to ensure that application is a continuous process.
- (v) Where mixing water is required in the application of a product, it is advised to maintain such water at a maximum of 20°C

#### Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement

<i>Protective clothing</i>	:	Protective overalls
	:	Good quality gloves, goggles and face mask
<i>Preparation equipment</i>	:	Wire brush
	:	Proprietary blasting equipment
<i>Mixing equipment</i>	:	Measuring jug
	:	1 KW slow speed drill, 400 or 500 rpm
	:	+ Fosroc <b>MR4</b> mortar mixing paddle
	:	+ Suitably sized mixing vessel, for single bag mixing, or
	:	Proprietary forced-action mixer for multiple bag mixing
<i>Application equipment</i>	:	Hand application trowel
	:	Wooden float
	:	Steel or plastic finishing float
	:	Finishing sponge, paint brush.

#### Application - points of note

Fosroc operates a policy to encourage the use, where possible, of registered applicators, since the long-term performance of the materials is dependent upon proper application.

## Section B : Application Method

### 1.0 Surface preparation

Attention to full and proper preparation of the substrate is essential for complete repair adhesion.

- 1.1 The cracks to be sealed shall be saw cut or chiselled to form a 'V' groove of approximately of 6mm x 6mm.
- 1.2 The grooves shall be cleaned to remove all the loose particles, dust, by an air blower or wire brushing.
- 1.3 The groove shall be sprinkled with clean water before applying the sealing mortar.

### 2.0 Mixing

Care should be taken to ensure that Renderoc CS is thoroughly mixed. In all cases the powder should be added to the water and mixed strictly in accordance with appropriate procedure.

#### 2.1 Mixing - small quantities

- a) Small quantities - up to 5 kg - may be mixed manually.
- b) The mixing ratio, by volume, should be 1 part of water to 2.5-3.0 parts of Renderoc CS.
- c) For the single volume water component select a conveniently sized measuring container and fill to the top. Add the measured volume of potable water to the mixing vessel.
- d) For each of 3 volumes of Renderoc CS, loose-fill the measuring container to excess with Renderoc CS, then strike off level with the top of the measuring container.
- e) Add the 3 volumes of powder to the water and mix vigorously for at least 3 minutes, until homogenous mix is obtained.

#### 2.2 Mixing - large volumes

- a) For larger volumes of material it will be necessary to mix using
  - a proprietary forced action mixer, or
  - slow speed drill (400/500 rpm) + Fosroc **MR4** mortar paddle attachment.
- b) For 1 kg of Renderoc CS to be mixed, measure out and place 2.5 to 3.0 parts of cool, potable water into the mixer (water quantity may vary slightly according to ambient temperature and desired consistency of mix).
- c) Always add the powder to the water. With the mixer in operation add one full bag of Renderoc CS, or multiples thereof, and mix continuously for 5 minutes until fully homogenous mix is obtained.
- d) Enhanced performance properties can be gained by adding up to 0.025 liters of Nitobond SBR (per full bag of Renderoc CS) in addition to the normal gauging water, until the desired consistency is achieved.

e) The specifications given in data sheets shall be strictly adhered to.

#### 4.0 Application

Do not proceed with the application when rainfall is imminent, unless in a sheltered or protected position.

Mixed paste shall be applied using a gloved hand and surface is finished using a trowel/putty blade. Continue the process for entire length of crack.

#### 5.0 Curing

5.1 Curing of Renderoc CS is generally required when the crack size exceeds 6mm. However, under extreme drying conditions - high temperatures, drying winds - refer to Section A.

#### 6.0 Cleaning

6.1 All equipment should be washed with clean water immediately after use. Cured material can only be removed by mechanical means.

### Section C : Approval and variations

This method statement is offered by Fosroc as a 'standard proposal' for the application of Renderoc CS. It remains the responsibility of the Customer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to Fosroc for comment, in writing, prior to the commencement of any work.