

Setseal R Method Statement (Cementitious capillary waterproofing render for concrete)

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) Unmixed materials and equipments should be stored in cool place and away from direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which 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) Do not apply Setseal R when substrate or ambient temperature is 5°C and falling.

Equipment

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

<i>Protective clothing</i>	:	<i>protective overalls Good quality gloves, goggles and face mask</i>
<i>Preparation equipment</i>	:	<i>Stiff wire brush Blasting equipment or mechanical hand grinder</i>
<i>Mixing equipment</i>	:	<i>1 KW, slow speed heavy duty mixer, 400 – 500 rpm and empty bucket (25 litre) mixing paddle</i>
<i>Application equipment</i>	:	<i>Short bristled brush, roller or hand trowel Finishing trowel</i>

Section B : Application

1.0 Surface Preparation

- 1.1 All Surfaces must be grit/sand blasted or grinded.
- 1.2 Surfaces must be clean and free from dust, oil, grease, paint, and laitance.
- 1.3 All cracks and honey combing must be repaired using the appropriate method as suggested by DCP.
- 1.4 A 50 mm x 50 mm sand/cement fillet should be done at all inside corners between walls and floors.



expertise



quality



full range

2.0 Priming

- 2.1 Surfaces should be thoroughly damped with water for at least 24 hours prior to Setseal R application.
- 2.2 All excess water should be removed prior to application.

3.0 Mixing

- 3.1 Depending on the required consistency, 8 - 9 litre of clean fresh water should be added to a clean container.
- 3.2 The 25 kg of Setseal R powder is then added slowly to the water while mixing continuously at low speed (400 – 600 rpm).
- 3.3 Care must be taken when using slow-speed drills which can introduce too much air into the mix, they must be used for a minimum mixing time commensurate with obtaining a homogenous mix, lump-free, and creamy brushable mix.

4.0 Application

- 4.1 On damp surfaces and using a suitable soft brush, apply the first coat. Ensure that slurry Setseal R is worked well into openings, rough surfaces, joints, and routed-out areas.
- 4.2 It is highly recommended that the coverage rate for Setseal R slurry should be around 17 m²/25 kg making sure not to exceed a 1 mm thickness per coat.
- 4.3 The second coat (if needed) should be applied while the first coat is still 'green' and within 24 - 48 hours and as mentioned in 4.2.
- 4.4 Make sure to wash with water the applied first coat to remove any salt deposition before applying the second coat.

5.0 Curing

- 5.1 Setseal R is sensitive to curing.
- 5.2 The coated surfaces must be kept moist for the first 3 days from application.
- 5.3 Further moistening is recommended for 7 days to ensure continuous crystallization action which will give a better waterproofing effect.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Setseal R**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



expertise



quality



full range