

## Cempatch AB Method Statement (Acrylic bonding and curing agent for cement mixes and concrete repair)

### Section A : General Comments

#### Equipment

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

Protective clothing	:	Protective overalls and safety shoes
	:	Good quality gloves, goggles and face mask
Preparation equipment	:	Grit blasting, wire brush
Application equipment	:	Brush or spray equipment

### Section B : Application

#### 1.0 Surface preparation

- 1.1 The substrate should be sound, clean and free from contamination. Surface laitance should be removed by light scabbling or grit blasting.
- 1.2 Corroded steel should be fully exposed and cleaned to bright conditions by grit blasting or by wire brush.
- 1.3 Exposed steel reinforcements should be protected by applying one full unbroken coat of zinc rich epoxy such as Repcoat ZR and allowed to dry.
- 1.4 All surfaces should be presoaked with clean water prior.

#### 2.0 Application

- 2.1 As a priming bonding agent:
  - 2.1.1 Cempatch AB should be brushed vigorously into the pre-soaked surface.
  - 2.1.2 All pores and voids shall be thoroughly filled by Cempatch AB.
  - 2.1.3 Make sure to apply the repair mortar when the film is formed and is still tacky as mentioned above.
- 2.2 As a curing aid compound:
  - 2.2.1 Cempatch AB can be used as a curing aid over cementitious repair mortars to prevent rapid evaporation of water.



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- 2.2.2 The spray nozzle should be held approximately 450 mm from repair mortar surfaces and passed back and forth to ensure complete coverage. The recommended coverage rate should be around 4 - 6 m<sup>2</sup>/litre. Pump pressure should be maintained all the time to give even, fine spray.
- 2.2.3 The applied film should be protected for at least 3 hours from rain.
- 2.2.4 In severe hot weather conditions or in windy situation, high efficiency curing agent such as Setseal 44 should be used.

### Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Cempatch AB**. 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.



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