# Cempatch SBR Method Statement
# (Liquid polymer bonding agent for cement containing mixes)

## Section A : General Comments

### Equipment

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

| | | |
|---|---|---|
| *Protective clothing* | : | *Protective overalls* |
| | : | *Good quality gloves, goggles and face mask* |
| *Preparation equipment* | : | *Grit blasting, wire brush* |
| *Mixing equipment* | : | *Mechanical drill mixer with mixing paddle, mixing container* |
| *Application equipment* | : | *Stiff brush, wooden float and steel float* |

## 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 acid etching.

1.2 Exposed steel reinforcements should be grit blasted or wired brushed to a bright finish.

1.3 For patch repair, cut back the edges of the repair areas to a minimum of 10 mm depth to avoid thin repair thicknesses.

1.4 All surfaces should be presoaked with clean water prior to commencing the repair.

### 2.0 Mixing

2.1 For better dispersion, Cempatch SBR should be added and mixed with clean water prior to dry materials.

2.2 As a bonding agent it is recommended to use 1 part of Cempatch SBR : 1 part of water : 4 parts of OPC in order to achieve a slurry consistency as following:

2.2.1 Add 1 part cleaning potable water to the mixing container.

2.2.2 Add 1 part Cempatch SBR to the potable water in the mixing container and mix with mechanical drill mixer with mixing paddle.

2.2.3 Add 4 parts OPC cement to the liquid mix in the mixing container and mix with mechanical drill mixer with mixing paddle for 3 minutes until uniform consistency is obtained.

2.3 As a bonding and waterproofing additive for site mixed floor screeds, renders, concrete repair and floor patching it is recommended to use the proportions shown in the table below:

| | Thin Section 6 - 15 mm | Thick Section 12 - 40 mm |
|---|---|---|
| Cement | 50 kg | 50 kg |
| Clean sand | 125 kg | 75 kg |
| 3 - 6 mm aggregate (preferably granite chips) | - | 100 kg |
| Cempatch SBR | 4 - 7 ltr | 4 - 7 ltr |
| Water | 17 - 19 ltr | 17 - 19 ltr |
| Yield approximately | 0.11 $m^3$ | 0.12 $m^3$ |

## 3.0 Application

3.1 As a bonding agent slurry:

3.1.1 Apply a thick coat to pre-soaked surfaces using a stiff brush.

3.1.2 Application of the subsequent render, mortar or screed should take place while the bond coat is still wet (tacky).

*Notes*:

- Do not apply on dry bond coats.
- If bond coat dries before subsequent application, roughen the dry coat before applying a further coat of Cempatch SBR slurry.

3.2 As a bonding and waterproofing additive for site mixed floor screeds, renders, concrete repair and floor patching:

3.2.1 Apply the screed, repair mortar or render mix using wooden float to place and compact while the bond coat is still wet (tacky).

3.2.2 Finish with a steel float.

## 4.0 Curing

4.1 Care should be taken for appropriate curing.

4.2 Use Chemical curing compound or a wet hessian completely covered with a polyethylene sheet for curing.

## 5.0 Cleaning

5.1 All tools should be cleaned **immediately** after use with fresh clean water. Hardened materials should be cleaned mechanically.

## Section C : Approval and variations

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