

Cempatch SBR400 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
Preparation equipment	:	Grit blasting
	:	Wire brush
Mixing equipment	:	Mechanical drill mixer with mixing paddle
	:	Mixing container
Application equipment	:	Stiff brush, wooden float, steel float or notched trowel

Section B : Application

1.0 Surface preparation

- 1.1 The substrate should be sound, clean and free from contamination.
- 1.2 Surface laitance should be removed by light scabbling or grit blasting.

2.0 Mixing

- 2.1 For better dispersion, Cempatch SBR400 should be added and mixed with clean water prior to dry materials.
- 2.2 As a bonding agent, it is recommended to add 1 parts of Cempatch SBR400 : 2 parts of OPC in order to achieve a slurry consistency as following:
 - 2.2.1 Add 1 part Cempatch SBR400 to the potable water in the mixing container and mix with mechanical drill mixer with mixing paddle.
 - 2.2.2 Add 2 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.



expertise



quality



full range

- 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:

Component	This section 6 – 15 mm	This 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 SBR400	5 – 10 ltr	5 – 10 ltr
Water	17 – 19 ltr	17 – 19 ltr
Yield	≅ 0.12 m ³	≅ 0.13 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 SBR400 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 SBR400**. 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.