

PC Bond SBR



High performance SBR based polymer for bonding, waterproofing slurry and repair screed

Product Overview

PC Bond SBR is a modified styrene butadiene emulsion which is designed specially for bonding cementitious mixtures, concrete screeds, mortar systems, repair large cracks and damaged surfaces and make the brick, masonry works waterproof.

Areas of applications

1. For all interior and exterior concrete screeds.
2. For improving bonding of floor toppings.
3. While repairing old, worn-out and weathered concrete as well as cracks.
4. Warehouses, laboratories, office spaces and other commercial storage facilities.

Properties

1. PC Bond SBR is a ready to use single component product.
2. It adheres to the concrete, plaster, masonry and stone work excellently as a result form a strong bond
3. It makes the concrete durable by making the concrete weather resistant and impermeable to chloride, free radical ions and other aggressive chemicals.
4. It makes the screeds, plasters and slurries Waterproof.
5. It is versatile and very economical to use.

Guidelines for Usage

1. Surface preparation: The concrete surface must be clean, dry and free of any contaminant or coatings, dust, laitance, loose particles, greasy and sticky particles. Corroded steel surfaces must be cleaned and exposed around their complete surface by using a san/grit paper to their shine.

2. Mixing: PC Bond SBR is a ready to use compound and hence requires no premixing.

3. Application:

3.1. As a bonding slurry: In order to obtain a good application consistency mix PC Bond SBR : cement in a ratio 1:1 by weight of cement. Stir the mixture before use and mix them well. Avoid formation of lumps in the mixture. Apply the liquid mixture over the damp substrate using a brush. While the bond coat is sticky or tacky, lay down the screed.

3.2. As waterproofing slurry: In order to obtain a good application consistency mix PC Bond SBR : cement in a ratio 1:2 by weight of cement. Mix well to a lump-free and smooth consistency. Then with a brush apply the 1st coat of waterproofing slurry upon the damp surface. After the 1st coat has dried, apply 2nd coat at right angle to the 1st coat then followed by laying of mortar/screed. The time gap between two layers should be 3-3.5 hours.

3.3. Mix designs of mortar & screed: for repair mortar - 10 ltr of PC Bond SBR : 50 kg of cement : 150 kg of sieved sand : 10 ltr of water. For repair screed concrete - 10 ltr of PC Bond

SBR : 50 kg of cement : 75 kg sand : 75 kg coarse aggregate : 10 ltr water.

Use fresh and fine cement. To it, mix sand and other coarse aggregates for 5 minutes. Mix water and PC Bond SBR in a separate clean container for 2 minutes. Now add this liquid mixture to the powder mix and mix them slowly till required consistency is achieved.

3.4. On Vertical surfaces: At first apply bonding slurry to the vertical surfaces. After that apply PC Bond SBR to the applied surface. Maximum Thickness of 25 mm can be achieved with application on vertical surfaces. Apply successively in thinner layers within 15-20 minutes of application of previous layer. Give a smooth trowel finish to the surface.

3.5. On horizontal surfaces, screeds & toppings:

Keep the application thickness range from 10 mm - 50 mm. Apply PC Bond SBR on the fresh substrate and give a smooth trowel finish.

4. Curing: Curing is as crucial as application. Keep the concrete/screed surface cured for 24 hrs.

Coverage area

Application type type	Coverage	Mix ratio
Bonding slurry	3.5 - 4 m ²	1ltr PC Bond SBR : 1 kg cement
Waterproofing slurry	2 m ² in two coats	1 ltr PC Bond SBR : 2kg cement

Packages available

PC Bond SBR is available in 25 ltr. HDPE cans.

Storage and Shelf life

PC Bond SBR has 12 months shelf life when stored in original, dry and unopened packs.

Safety Measures

1. Clean tools and equipments with water before the material hardens.
2. Application of should be wet on wet
3. In order to prevent rapid drying, mortars should be properly cured using a proper curing compound
4. Use proper safety equipments while mixing e.g. use of safety coats, safety goggle, gloves etc.

For further information related to application and safety precautions, please contact Mcrete technical representative.

Technical data

Aspect	White thick latex polymer
Solids content	40 ± 1 %
Density	1.01-1.02 g/cc
pH	> 8

For further clarifications Please contact on below address

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