

PC Bond SBR LATEX



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

Product Overview

PC Bond SBR Latex 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 Latex 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 Latex 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 Latex: 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 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 Latex: cement in a ratio 1:2 by weight of cement. Mix well to a lump-free and smoothie consistency. Then with brush apply 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 Latex: 50 kg of cement: 150 kg of sieved sand: 10 ltr of water. For repair screed concrete - 10 ltr of PC Bond SBR Latex: 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 Latex 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 Latex 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 Latex 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 Latex : 1 kg cement |
| Waterproofing slurry | 2 m ² in two coats | 1 ltr PC Bond SBR Latex : 2kg cement |

Packages available

PC Bond SBR Latex is available in 20, 5 & 1 ltr. HDPE cans.

Storage and Shelf life

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

Safety Measures

1. Clean tools and equipment's 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 |
|----------------|--|
| Solids content | 35± 1 |
| Density | 1.01-1.02 g/cc |
| <u>Days</u> | <u>Compressive strength of polymer modified mortar (MPa)</u> |
| 28 days | 40 |

For further clarifications Please contact on below address

Pinjala Chemicals Pvt. Ltd.

Plot No. 172/A, Road No. 24, Phase 2

Mallapur IDA, Hyderabad-500076,

Email: info@mcrete.com, Website: www.mcrete.com

Ph no: +919985898569, 040-27158569

Pinjala Chemicals Inc.

30273 Eastridge Drive, Spring,

Texas 77386, USA

Email: info.us@mcrete.com, Website: www.mcrete.com

Ph no: 001-3136861237