

# MIXBOND SBRSuper

Multipurpose admixture / bonding agent

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**Mixbond SBRSuper** is a high performance Styrene Butadiene Rubber latex designed bonding agent and multipurpose admixture for cementitious system with an aqueous dispersion based on styrene butadiene and is recommended for the modification of hydraulic binders. Mortar mix modified with Mixbond SBRSuper help to improve the workability, mechanical strength and adhesion to the substrate. Mixbond SBRSuper is using for the preparation of polymers modified with less water cement ratio to reach similar workability and provides higher mechanical strength.

## Appropriation

As an admixture for laying hi-grade industrial flooring, screeding and flooring  
For water proofing mortar works  
For general concrete repair  
For plaster in swimming pools, fountains and water storage tanks  
As a Bonding agent for new concrete to old

## Characteristics

Reduced shrinkage cracking  
Increased abrasion resistance  
Improved compressive and flexural strength  
Lower WC ratio and increased durability / workability  
Suitable for HD floor screed preparation  
Compatibility: All types of Portland cement  
Long term performance for the mortars

## Technical Data & Properties

Appearance: White colour  
Specific gravity: 1.00 at 25 °C  
Solid Content: 60%±2%  
pH: 7 to 10.5  
Chloride content: Nil  
Flammability: Non-flammable

*1:4 mortars modified with 3ltr Mixbond SBRsuper will extend the following properties:*

Slump on 0.4 water cement ratio: >11cm  
Compressive strength: >8N/MM<sup>2</sup> (28 days)  
>7N/MM<sup>2</sup> (7 days)  
Flexural strength: >2N/MM<sup>2</sup> (28 days)  
>1.5N/MM<sup>2</sup> (7 days)  
Adhesion to concrete: >2N/MM<sup>2</sup> (direct) (28 days)  
Adhesion to concrete: with slurry (@2:1:3): >1.5N/MM<sup>2</sup> (28 days)

## Product Management

Dosage & Functional Prescription:  
General Mix mortar  
Cement: 50 Kgs  
Sand: 200 Kgs  
Mixbond SBRSuper: 3 liters  
Minimum water to attain desired workability: 1 : 1 to 1 : 4 (Mixbond SBRSuper : Water)

Where improved properties are required, like thick bed mortar and renders above 15mm thickness, increase the latex use in the above ratio with Mixbond SBRSuper to 4.5 liters



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Where chemical resistance is required, like battery room, water treatment areas etc., increase Mixbond SBRSuper according to the above ratio to 7litres

Where only thin bedding is required, mortars should employ richer CS ratio, approaching 1 : 1 / C : S and Mixbond SBRSuper@ 1.5liters/ 25kg cement. Water to the desired consistency when laying slabs or screeds to existing concrete, surface must be rough. Lightly scale smooth surfaces prior to application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material. Apply bonding slurry and whilst still wet, lay the Screed at a thickness of 8 – 60mm. compact firmly and level. Close the surface using a wooden or steel float. All existing joints must be carried through the new screed.

Where a repair to concrete is required, apply priming coat @ 1: 1/: Water and allow being tacky. Proceed to patch up repairs using a standard mix @ 1 : 2 / Portland cement : Sand (clean, washed sharp) mixed to approximate consistency. This mix to be added with 1: 3 / Mixbond SBRSuper : Water

As bonding agent to old concrete to new, apply Mixbond SBRSuper directly by brush to the surface after cleaning. Exposed reinforcement in the old concrete shall be thoroughly cleaned with Mixcoat RP and apply a slurry modified with Mixbond SBRSuper with cement prior to the new concrete casting

Where heavier rendering, Cementitious rendering and cementitious toppings key coat (slurry bond coat) is required, key coat is prepared @ 1: 2 / Mixbond SBRSuper : Cement with minimum makeup water to provide brushable consistency. Apply to form a tacky coat and plaster straight on the tacky surface

**Mixing:** Mortar preparation & Application: Application surfaces should be clean, sound and free from oil, grease or loosely adhering particles. Hot, exposed or very absorbent surfaces should be dampened prior to application or primed with a mix of 1: 8 / Mixbond SBRSuper : Water. When laying to existing concrete, surface must be rough. Lightly scale or scabble the smooth surfaces prior to application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material. Mixbond SBRSuper is compatible with manual mixing or mixers of rotating blades. Agitation should be minimized to maintain good density and avoid penetration of air. For better effects, all applications other than those sprayed on renders, a bonding primer coat 1: 1 / Mixbond SBRSuper: Water is recommended. This can be brushed into the prepared surface and fresh mortar should be applied while such bonding primer is still tacky. If it is water resisting renders, please ensure that two priming coats are applied at right angles to a minimum thickness of 1.5mm

## Packing & Storage

Available in 20litres and 200litres container. Up to 12 months in manufacturer's sealed containers stored in a cool (preferably at 18 to 28 °C) and dry place. Reseal the container after use and ensure product is stored as instructed on the label

## Health & Safety

Mixbond SBRSuper contains no hazardous substances; however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes, wash thoroughly and

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immediately with warm water. If swallowed seek immediate medical attention. For more details, please refer to the MSDS released on each product

Rev. Aug-12/01

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambiance. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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