

# MixBOND SBR

Multipurpose bonding compound & admixture

**MixBOND SBR** is high performance Styrene Butadiene Rubber latex designed as a bonding agent and admixture to enhance physical properties such as compressive, tensile and flexural strength for cementitious system. This admixture is ideal for high level abrasion resistance floorings and renderings. MixBOND SBR modified mortar mixes used in applications which require greater strength and flexibility characteristics and minimum level of suction. The use of MixBOND SBR significantly enhances the bonding strength and higher chemical and corrosion resistance

## Appropriation

- For external rendering and water proofing works
- Bonding concrete, bricks, copings, ceramic tiles and slabs
- For general concrete repair – As an admixture and bonding medium
- For Water tight plaster in swimming pools, fountains and water storage tanks
- For laying hi-grade industrial flooring screed and leveling mortar

## Characteristics

High bond strengths and tenacious adhesive properties  
 Reduced shrinkage cracking in modified mortars  
 Increased abrasion resistance  
 Multipurpose application, economical, easy to use  
 Lower WC ratio and increased durability  
 Excellent corrosion control in reinforced steels  
 Non toxic, used with potable water  
 Good chemicals resistance in modified mortars and floor toppings  
 Compatibility: All types of Portland cement

## Technical Data & Properties

Compound	: Styrene Butadiene latex
Appearance	: Milky White
Standards conforms	: BS 5270
Specific gravity	: 1.01gm/cc at 25 °C
Solid Content	: 42%
pH	: 7 to 10.5
Chloride content	: Nil
Flammability	: Non-flammable
Port life	: < 30 minutes (after cement modification)

## Product Management

Dosage & Functional Prescription – Latex Polymer modified mortar (LPMM)

General Mix mortar

Cement: 50kgs

Sand: 280kgs

MixBOND SBR: 5liters

Minimum water to attain desired workability: 1:1(MixBOND SBR: Water)to1:4 CM

Where improved properties are required, like thick bed mortar, screed and renders above 15mm thickness, increase the latex use in the above ratio with MixBOND SBR to 7.5 litres

Where chemical resistance is required, like battery room, water treatment areas etc., increase MixBOND SBR dosage according to the above ratio to 10liters



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Where only thin bedding / screed is required, mortars should employ richer CM ratio, approaching 1:1/C: Sand (MixBOND SBR@ 5 liters/ 50kg cement). Water to the desired Consistency when laying slabs or screeds to existing concrete, apply bonding slurry and whilst still wet, lay the Screed at a thickness of 8 to 60 mm. compact firmly and level. Close the surface using a wooden or steel float. All existing joints must be carried through the new screed

Bonding slurry: Where a repair to concrete or new to old plastering or concreting is required, apply priming slurry coat @ 1:1.5,(MixBOND SBR: Cement) by volume and mix to lump free consistency, allow being tacky. Proceed to patch up repairs using a standard mix @ 1:2.5,Portland cement :Sand (clean, washed sharp) mixed to approximate consistency. This mix to be added with 1:3,(MixBOND SBR: Water)

Where plaster bonding agent for gypsum, light weight gypsum and anhydrous plasters is the requirement, seal surfaces as required and prime with a solution of 1:1, MixBOND SBR: Cement till it becomes tacky and plaster straight on to the tacky surfaces in usual mode

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

### Surface preparation, Mixing& 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 SBR: 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 SBR 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 slurry coat 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 slurry coats are applied at right angles to a minimum thickness of 1.5mm

### Packing & Storage

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

### Health & Safety

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

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

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