

# MIXBOND SBR

Multi purpose repairing, bonding compound & admixture



the construction chemist...

## Introduction

**Mixbond SBR** is high performance Styrene Butadiene Rubber latex designed bonding agent and multipurpose admixture for cementitious system which enhances physical properties of OPC system. This admixture increases water and abrasion resistance. Mixbond SBR may be used in applications which require greater strength and flexibility characteristics given by SBR modified mixes. This enhances bonding strength and chemical resistance.

## Appropriation

For external rendering and water proofing works  
Bonding concrete, GRC, bricks, copings, ceramic tiles and slabs  
For general concrete repair  
For plaster in swimming pools, fountains and water storage tanks  
For laying hi-grade industrial flooring, screeding and flooring

## Characteristics

High bond strengths and tenacious adhesive properties  
Reduced shrinkage cracking  
Increased abrasion resistance  
Multipurpose application, economical, easy to use  
Improved strength and flexibility  
Lower WC ratio and increased durability  
Generally good chemical resistance  
Non toxic, used with potable water  
User friendly and quick drying  
Compatibility: All types of Portland cement

## Technical Data and Properties

Appearance	White color
Specific gravity	1.00 at 25 °C
pH	7 to 10.5
Chloride content	Nil
Flammability	Non-flammable
Solid Content	



## Product Management

Dosage & Functional Prescription:

General Mix mortar

Cement: 25 kgs

Sand: 75 kgs

Mixbond SBR: 5 litres

Minimum water to attain desired workability: 1 : 1 / Mixbond SBR: 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 SBR to 7.5 litres

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

Where only thin bedding is required, mortars should employ richer CS ratio, approaching 1 : 1 / C : S and Mixbond SBR@ 5 liters/ 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 / Mixbond SBR: Water and 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: 1 / 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 : Water till it becomes tacky and plaster straight on to the tacky surfaces in usual mode



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Where heavier rendering, cementitious rendering and cementitious toppings key coat (slurry bond coat) is required, key coat is prepared @ 1: 1 / Mixbond SBR : 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: 1 / 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 coat 1: 1 / Mixbond SBR: 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

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

As with all chemical products, caution should always be exercised, such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. For more details, please refer to the MSDS released on each Mix product.

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-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 and porosity of substrate may impinge on values



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