

MIXBOND SBR

Multipurpose repairing, bonding compound & admixture

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, 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 & Properties

Appearance: White colour
Specific gravity: 1.00 at 25 °C
Solid Content: 42%
pH: 7 to 10.5
Chloride content: Nil
Flammability: Non-flammable

Product Management

Dosage & Functional Prescription:
General Mix mortar
Cement: 50 kgs
Sand: 75 kgs
Mixbond SBR: 5 litres
Minimum water to attain desired workability: 1: 1 to 1: 4 / 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.

MIXBOND SBR

Multi purpose repairing, bonding compound & admixture

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: 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 : Water 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, 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: 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 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

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

Rev. Nov-10/01

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 ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

Group Head office:

PYCHEM Co. L L C
Post Box 23940, Sharjah.
Te: +971 6 5420414 / 5431636
Fax: +971 6 5421446
Mail: mail@fab-cc.com
fabchem@gmail.com

Under Technical Collaboration with
MIX UK Limited
Cherry Tree House, Cherry Tree Lane
Rostherne, Cheshire, WA143RZ
Web: www.mixuk.com

Head office:

T33A/1, Thryambhava Houses
Kalapetty road, Coimbatore – 14
Tel: 0422 322245
Fax: 0422 2625207
Mail: mail@fab-cc.com
fabchem@gmail.com

THE CONSTRUCTION CHEMIST



FABCHEM



PYCHEM



MIX UK LTD