



**AL FALAH**  
CHEMICALS  
YOUR CHEMICAL PARTNER

# ALFABOND SBR

## Polymer bonding agent

### DESCRIPTION

ALFABOND SBR is a modified styrene butadiene rubber emulsion which is supplied as ready to use white liquid. It is designed to improve the quality of site-batched cementitious mortars and slurries. Being resistant hydrolysis, it is ideal for internal and external applications in conjunction with cement.

### USES

For improving the physical properties of cementitious mixes. Typical uses include, but are not limited to, the following:

- ◆ Bonding concrete repair mortars
- ◆ Floor toppings and screeds
- ◆ Waterproof renders and cementitious slurries
- ◆ Bonding agent for slip bricks, ceramic tiles, etc.

### ADVANTAGES

- ◆ Improves bond strengths to hardened concrete
- ◆ Increases durability under freeze/thaw cycling
- ◆ Resistant to de-icing salts
- ◆ Reduces cracking through increased mortar flexural strength
- ◆ Increases mortar wear resistance under rubber wheeled traffic
- ◆ Increases mortar tensile strength

### APPLICATION

For application to all surfaces, ALFABOND SBR toppings and renders must be well-compacted on to the a thin layer of the mortar into the slurry primer and then build the mortar on to this layer, Exposed steel reinforcement should be completely encapsulated by the mortar.

ALFABOND SBR mortars can be applied at a minimum thickness of 6 mm and up to 40 mm thickness, dependent of the location and configuration of the repair zone. Refer to the recommended thicknesses shown in the mix design section above.

Where thicker sections (up to a total thickness of 40mm) are to be built up by and or trowel application, the surface of the intermediate layers should be scratch-keyed and cured with ALFABOND SBR. Application of the slurry primer and a further application of ALFABOND SBR mortar may proceed as soon this layer has set.

### TECHNICAL SUPPORT

Al Falah Chemicals provides a technical advisory service for on-site assistance and advice on mix design, product selection, evaluation trials and dispensing equipment.

### TECHNICAL DATA

#### Physical Properties of ALFABOND SBR

Solids Content	40 - 45%
Weight per gal.	8.4 Lb (1 kg/liter)
pH as shipped	6 - 10
Color	White

#### Typical mix design and test results

Type 1 OPC	505 kg
Sand	150 kg
ALFABOND SBR	10 liter
Water	6 - 8.4 liter

Compressive Strength	With	Without
ASTM C-109 2" (50mm) cubes		
28 Days	5,075psi (35N/mm <sup>2</sup> )	4,060 (28N/mm <sup>2</sup> )

Tensile Strength ASTM C-190		
28 Days	480psi (3.3N/mm <sup>2</sup> )	392 (2.7N/mm <sup>2</sup> )

Flexural Strength ASTM C-256		
28 Days	1,305psi (9.N/mm <sup>2</sup> )	1,046 (7.9N/mm <sup>2</sup> )

Shear Bond Strength		
28 Days	2,900psi (20N/mm <sup>2</sup> )	377 (2.6N/mm <sup>2</sup> )

**Chemical Resistance:** Limited chemical resistance

### PACKAGING

Supplied in:	Jerry Can / Drum
Storage	Dry, frost free, out of direct sunlight
Shelf life:	12 months, when stores as above
Hazard class	No dangerous goods. Observe Material Safety Datasheet

### CLEANING

ALFABOND SBR should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

CONCRETE ADMIXTURES

SPECIAL ADMIXTURE

SURFACE TREATMENTS

GROUTS & ANCHORS

CONCRETE REPAIRS

INDUSTRIAL FLOORING

SHOTCRETE

WATERPROOFING

JOINT SEALANTS & WATERSTOPS

INDUSTRIAL ADHESIVES

## STORAGE / SHELF LIFE

This Product must be stored where temperatures do not drop below +5°C, If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage consult your local Alfalah representative.

## PRECAUTIONS

### Health and Safety

This product does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product.

## FIRE

This product is water based and non-flammable

### STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this Alfalah Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Alfalah Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Alfalah Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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