



**BAYSHIELD**  
INTERNATIONAL FZE

## **BAY BOND – SBR**

**WATER RESISTANT POLYMER LATEX BONDING AGENT**

Conforms to ANSI A136.1 (1972) ASTM C 631-70(1975) & ASTM C 932-80

### **DESCRIPTION**

BAY BOND SBR is a high-performance styrene Butadiene Rubber latex designed bonding agent and multipurpose admixture for cementitious systems which enhances water and abrasion resistance.

### **USAGE**

For external rendering.

For general concrete repair

For plasters in swimming pools, fountains and water storage tanks.

For laying industrial flooring, Screening and Roofing.

### **PROPERTIES:**

Appearance	White Liquid
Component	Single
Solid	36%
PH	9 –5
Specific Gravity	1.01@20°C
Freeze thaw stability	Good
Mortar workability	1 Hour

### **APPLICATION**

1- Mortar Preparation: Concrete 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 priming with a mix of 1:8 bond and water.

### **TECHNICAL DATA SHEET APPLICATION (CONTD)**

Washed aggregate and sand particle sizes should also correspond to the thickness of mortar to be applied and the required surface finish.

SBR is compatible with manual mixing or mixers of rotating blades.

Agitation should be minimized to maintain good densities and avoid penetration of air.

For better effects, all applications other than those sprayed on renders, a bonding primer coat 1:1(SBR: water) is recommended.

This can be brushed into the prepared surface and fresh mortar should be applied while the bonding coat is still wet. If it is water resisting renders please ensure that two priming coats are applied at right angles to a minimum and normal thickness of 1.5mm.

General Mix Mortars:

Cement : 25Kgs

Sand : 75Kgs

SBR : 5 liters

Minimum water to attain desired workability

(1:1 up to 1:4 SBR & water)



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### **APPLICATION (CONTD)**

Where improved properties are required for thick bed mortar and renders above 15mm thickness, increase the latex use in the above ratio with SBR to 7.5 Liters.

- Where Chemical resistance is required such as Battery Rooms, Water Treatment Areas etc. increase SBR according to the above ratio with SBR to 10 Liters.
- Where only thin bedding is required mortars should employ richer cement/stand approaching 1:1 stand: Cement and SBR at 5 Liters per 25Kgs of Cement with water to the desired consistency.
- Repairs to Concrete: Apply priming coat (1:1 water) and allow being tacky. Proceed to patch up repairs using a standard mix or one part Portland cement, 2.5 parts clean and washed sharp sand mixed into approximate consistency with one part SBR and three parts of water.
- As plaster Bonding Agent: For gypsum, light weight gypsum and anhydrous plasters, seal the surfaces as required and prime with a solution of 1:1 (SBR: Water) till it becomes tacky and plaster straight on to the tacky surface in usual mode.
- For heavier rendering and cementitious toppings Key Coat (Slurry Bond Coat) is compulsory.

Key coat is prepared at 1:1(SBR: Cement) with minimum make up water to provide brushable consistency. Apply to form a tacky coat and plaster straight on the tacky surface.

SBR is recommended in view of its high strength and water resistance for:

1-Exterior Plastering, 2- High Grade Interior Plastering

### **PACKING**

200 Kgs M.S. Drums

20 Ltr Pails/Jerry Cans

### **HEALTH & SAFETY INSTRUCTION**

Non-Hazardous. If ingested seek medical advice.

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