



# B3

## POLY BOND SBR

LIQUID POLYMER BONDING AGENT ADDITIVE FOR CEMENT CONTAINING MIXES

**BOND** **CEMENT MIX**

POLYBOND SBR is a single component styrene butadiene rubber latex. It is designed to improve the physical properties of cement mixes and slurries.

### APPLICATION

POLYBOND SBR is ideally designed for use in the following applications:

- Bonding of new to old concrete when used as a slurry coat.
- To produce polymer modified screeds and floor topping.
- Bonding of thin polymer modified screeds and or toppings to old substrate.
- To provide a mechanically key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- To produce a repair mortar for patching of honey cubed concrete, internally and externally.
- To produce water-proof renders.

### ADVANTAGES

Effectively increases the bonding/ adhesion of cement mixes.  
 Excellent water proof additives which helps produce water-proof renders, screed and toppings.  
 Effective plasticizer, giving improved workability and cohesion.  
 Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths. Reduces shrinkage and cracking in repair and screening mixes.  
 Good freeze / thaw resistance. Chloride free.

### CAUTION

#### Health and Safety:

POLYBOND SBR is non-toxic. Avoid skin and eye contact. Rubber gloves and eye protections should be worn all the time. The use of barrier cream is recommended on exposed areas of the skin.

#### Fire:

POLYBOND SBR is non flammable.

**FOR MORE INFORMATION, PLEASE CONTACT PHONE NO. 00966 2 6204224**

### TECHNICAL PROPERTIES

Specific gravity @25 °C:	Around 1
Color:	Milky White liquid
Solid Content	20-25 %
PH	9
Solubility	Soluble in water
Chloride content	Nil

### CLEANING

All tools should be cleaned immediately after finishing with water. Hardened materials may be cleaned mechanically.

### PACKAGING

POLYBOND SBR is available in 4 litre , 20 litre and 1000 Lit. drums.

### STORAGE

POLYBOND SBR shelf life is 12 months if stored at temperature between 5 °C and 50 °C. If these conditions are exceeded, POLYWED technical department should be contacted for advice.

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### METHOD OF USE

#### Substrate preparation:

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by acid etching. For patch repair, cut back the edges of the repair areas to a minimum of 10mm depth to avoid thin repair thicknesses.

All substrate should be damped with water prior to commencing the repair. Exposed steel reinforcement should be grit blasted or wired brushed to a bright finish and protected with epoxy poly zincrich.

#### Mixing:

Bonding agent:

The recommended mix to produce slurry consistency can be achieved by mixing, by volume, 2 POLYBOND SBR: 3 OPC cement. Use a stiff brush to apply a thick coat to damp surfaces. Application of the subsequent application, roughen the dry coat before applying a further coat.



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