

# SiBond SBR

## Concrete Bonding Agent – SBR

### Description

**SiBond SBR** is Water Resistant Admixture for Mortars SBR Latex is a specifically designed synthetic rubber emulsion for adding to cement mortars where good adhesion, water resistance, increased flexural and tensile strengths are required

### USES

**SiBond SBR** is a high quality emulsion that substantially improves the qualities of cement mortars , such as :

- Thin layer patching mortars & Renders
- Floor screeds and toppings & Tanking and Waterproofing
- Concrete repair mortars & Corrosion protection of steel
- Abrasion resistant linings
- Tile fixing mortars & Masonry mortars

### Advantages

**SiBond SBR** modified cement based mixes provide the following properties:

- Extremely good adhesion & Reduced shrinkage
- Increased flexural strength & Increased tensile strength
- Prevents bleeding & Excellent water resistance
- Increased corrosion protection & Lower water-cement ratio
- Increased abrasion resistance
- Improved Chemical & Mineral oil resistance
- Greatly enhances resistance to water salt penetration
- Does not re-emulsify, even in high alkaline conditions
- Can be used with mortars in contact with potable water
- Non-corrosive & Ready for use

### Typical Properties

|                          |                    |
|--------------------------|--------------------|
| Specific Gravity at 25°C | 0.99-1.01          |
| Appearance               | Liquid Milky White |
| Solid Content %          | 32% (± 1%)         |
| Chloride Content         | NIL                |

### PACKAGING AND STORAGE

**SiBond SBR** is supplied in 5, 20, 25, 200 & 1000 liter units. Store in shaded warehouses away from heat & humidity or moisture.

### Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sipco Specialist products, are given in good faith based on Euro Polymers current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sipco Specialist recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sipco Specialist reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### Application

**Substrate preparation** Concrete surface should be clean, sound and free from oil, grease, cement, laitance and all loosely adhering particles. It should be in saturated surface dry condition (SSD)

### Mixing

**SiBond SBR** should be incorporated into the mix at between 1 to 2 kg / 50kg cement and should be added directly to the premixed dry ingredients in the mixer. Water should then be carefully added to bring the mortar/concrete to required consistency. Do not add water too quickly as this may cause rapid thinning. Always stir before use. Mixing should be preferable carried out in a forced action mixer,

### Application

For all application apart from sprayed on renders, it is recommended (may not be necessary) that a bonding bridge is brushed into the prepared surface.

### Dosage rate

For all normal use the standard dose is 5 % of the mix design by volume. For extreme conditions and/or when adhesion, waterproofing, water vapor resistance or chemical resistance are critical, the dosage should be increased to 10%

### Cleaning

Clean all equipment and tools immediately after use with water.

### HEALTH AND SAFETY

Contact with skin, eyes mucous membrane may cause irritation. Wear gloves and goggles. In case of contact rinse with plenty of water and seek medical help. **Ecology** Do not dispose of into water or soil but according to local regulations.

**Toxicity** Non-toxic under the relevant health and safety codes.

### Transportation

Non-hazardous.

### SHELF LIFE & STORAGE

12 months minimum if stored properly in original unopened packing in dry conditions and Away from direct sunlight.