

# B1

## POLY BOND SBR

WATERPROOFING BONDING AGENT AND MORTAR ADMIXTURE

BOND
CEMENT MIX
CONCRETE REPAIRS

Poly Bond SBR is a white liquid, which has numerous uses as an admixture, primer, bonding agent and sealer. Polymer emulsions of this type have been used extensively over the last 20 years by the building industry as an admixture for cement and concrete applications, including repair and renovation, surfacing of floors and bonding generally. It contains anti-foam to control the density of cementitious mixes.

### USES

- As an admixture for mortar/screeds/renders.
- As a bonding agent for screeds/renders.
- As a primer/sealer in tiling applications.
- As a flexibilizer For cementitious based tile adhesive when tiling on wooden/asphalt floors.
- In addition, Poly bond SBR+ has the advantage over PVA bonding aids in that it is not adversely affected in wet conditions and is therefore recommended for exterior use.

### ADVANTAGES

- Mixes may be applied in much thinner sections.
- Excellent resistance to water and water vapour
- A high level of resistance to salt permeation
- Much improved toughness and flexibility
- Reduced surface dusting of concrete Greatly improved resistance to many chemicals- ideal for use in dairy parlours etc.
- Reduced water: cement ratio for equivalent workability
- Improved frost resistance

### PRODUCT INFORMATION

Composition	Styrene Butadiene Latex emulsion
Packaging	5L/20 L pail
Appearance / Colour	White Liquid
Shelf Life	12 months if stored in original unopened container
Storage Conditions	The product must be stored properly in undamaged and unopened original sealed packaging, in dry conditions at temperatures between +5 °C and +35 °C. Protect from frost and direct sunlight.
Density	Sp.Gravity: ~1.02 kg/l (at +25 °C)
PH Value	9

### TECHNICAL INFORMATION

Tensile Adhesion Strength	up to 1.5 N/mm2 (EN 1542)
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### APPLICATION INFORMATION

Consumption	Application area Mixing ratio (by weight) Consumption of mixture Consumption of Poly bond SBR Waterproof coating ~90 g/m2 in 2 coats Bonding coat Poly bond SBR: in single coat ~30 g/m2
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### APPLICATION INSTRUCTION

#### SURFACE PREPARATION

- Dust, loose or friable particles, rust, scale, paint, cement laitance, old coatings and any other contaminants or deleterious materials which reduces bond or contributes to corrosion shall be removed by suitable means before application.
- Smooth substrates must be mechanically roughened by scabbling, needle gun or grit blasting to provide an adequate key.

#### MIXING

Mix Poly bond SBR with the correct amount of water to produce a gauging solution.

1. Pour part of the gauging solution into a suitable mixing container.
2. While stirring slowly, add the cement or cement sand mix to the gauging solution and mix thoroughly until a smooth, uniform and lump-free mix is achieved.
3. Within the mixing time add additional gauging solution to adjust to the desired consistency. Mix either by hand or with a low speed drill for not more than 2 minutes.
4. **NOTE:** When a concrete-mixer is used, pour the mortar as soon as its consistency is cohesive. Do not run the mixer too long.

### APPLICATION

As waterproofing coating thoroughly pre-wet the prepared substrate. **Keep the surface wet and do not allow to dry.**

1. Before application remove excess water e.g. with a clean sponge. The surface shall appear a dark matt appearance without glistening and surface pores and pits shall not contain water.
2. Prepare the waterproofing coating as indicated in the consumption table. Using a stiff clean brush spread the coating vigorously onto the substrate, forming a thin layer.
3. After 2 to 6 hours, apply the second coat in crosswise direction to first coat.
4. Protect with screed on top for longer life.

### CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

### IMPORTANT CONSIDERATION

Do not use in exterior applications or in areas subject to constant damp. In these areas use Poly bond SBR.

### HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.control.

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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