

BOND-200 SBR

Styrene Butadiene Copolymer Latex Admixture & Bonding Agent

DESCRIPTION:

- Bond-200 SBR is a single component emulsion of styrene butadiene co-polymer based latex, specially developed to improve the properties of cementitious compositions.
- Bond-200 SBR when used in combination with standard quality of ordinary Portland cement enhances the mechanical properties such as bonding (adhesion) with various building materials, flexurals, compression and impact strength.
- Bond-200 SBR improves the thin section fragility of cement when used as coating. It is resistant to hydrolysis hence can be used for external applications too.

FIELDS OF APPLICATION

Cement compositions containing Bond-200 SBR are particularly useful in a number of applications. Some examples are:

- Water-resistant rendering for interior or exterior walls or basements
- Damp-resistant layers
- Leveling floors prior to laying tiles, wood blocks, etc
- Patching and repairing concreted areas
- Waterproof flat roofing and balconies
- Industrial flooring, screeding and topping
- Nosing for stairs indoors/outdoors
- Flooring for dairies, food factories, fertilizer stores where improved chemical resistance is required
- Lining of effluent ducts, tunnels and canals
- Corrosion protection of steel reinforcing rods in concrete and of steel structures
- Water-resistant adhesives for tiles, aggregates, glass, steel, etc
- Screeds for bathrooms and showers
- As a bonding agent for old concrete to new concrete, industrial floor or floor duct nosing repair.

FEATURES AND BENEFITS:

- Increases flexural and tensile strength
- Compressive strength is comparable with concrete
- Reduced shrinkage, water permeability
- Good bonding between old & new concrete
- High strength mortar with good resilience
- Durable structural repairs, restoration & waterproofing
- Improved abrasion resistant flooring
- Simple to use as it is a single component.
- Cures to a hard, tough & wear resistant surface
- Bonds (adheres) strongly to most surface types.
- Can be applied to a uniform thickness coating on horizontal and vertical surfaces.
- Allows trapped water (vapours) to escape and prevents blistering and adhesion failures.
- Makes cement mortar or coating compact which prevents salt penetration into the concrete.
- It is unaffected by UV light and prevents fading of concrete.
- It acts as anti-corrosive for steel. It is highly durable even in continuous contact with water.
- It is resistant to water, dilute acids and alkali solutions.
- It is non-flammable & non-hazardous. Does not evolve toxic gases when exposed to fire
- Non-toxic to human being.
- Most properties improve on ageing
- Resistant to fungus and micro-organism growth.

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SURFACE PREPARATION:

- Surface preparation is the most important step before application to achieve desired results and avoid failures.
- The surface should be absolutely dry, free from dust coatings, loose particles, fungus, moss, oils, greases, mould-release agents & dirt. Clean the surface by scrapping & sand blasting to remove dirt & loose particles.
- Treat surface with 5%-10% hydrochloric acid, followed by complete neutralization with water, which will improve bonding of the coating. Oils, greases & mould-release agents can be cleaned with solvents.

MIXING & APPLICATION:

- **As a primer /sealer :**
 - Make sure the surface is saturated by water
 - Apply the undiluted Bond-200 SBR by brush or roller on surface.
 - Leave for about 5 - 10 minute to form tacky (sticky) surface.
 - Mix 1 part cement with 2 part of sand.
 - Add cement/sand mixture to diluted Bond-200 SBR by water(1: 2) and mix mechanically by low RPM drill until smooth mortar paste is obtained.
 - Apply the screed mortar to the required thickness, while surface is sticky.
 - Strongly float the screed while still wet and level the surface.
- **As an admixture for dry mix mortar (plasters, render, tile adhesives and grouts)**
 - Mix 1 volume of Bond-200 SBR with 3 volume of water. Use this solution in mixing the mortar to the required workability.

TECHNICAL DATA	
Appearance	Milky white liquid
Density @ 25 °c	1.1±0.02 gm./cm ³
Viscosity @ 25 °c	300±50 cp
PH @ 25 °c	7-9
VOC wt%	Less than 0.5%
Cement compatibility	good
Polymer type	Styrene Butadiene

CLEAN UP INSTRUCTIONS:

- All tools should be cleaned immediately after use because hardened Bond-200 SBR modified cement compositions have excellent adhesion and are therefore difficult to remove. If this important precaution is overlooked, solvents such as white spirit, solvent naphtha or preferably toluene can be useful in removing hardened latex modified mortar

PACKAGING:

4L ,20 L &200L

SHELF LIFE / STORAGE:

- 12 months since the production date when stored on pallets in dry cold conditions and in original undamaged packages.

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact to MBC.