

BOND GUARD -SBR

(SBR latex based bonding agent)

DESCRIPTION:

BOND GUARD - SBR is a heavy-duty white carboxylate styrene butadiene latex waterproof coating which when mixed with cement forms a durable and highly water-resistant matrix to give 100% waterproof surface. It's used for repair mortars for RCC members also.

AREAS OF APPLICATION:

- Concrete repairs - Spalled concrete of floors, columns, beams, chhajja, slabs, parapets, etc.
- For waterproofing - Small roof terraces, sunken portions of toilets & bathrooms, chhajja & lift pits, balconies.
- As a bond coat - For bonding of new concrete to old concrete, masonry stone work, plastering.
- For cladding - Fixing or re-fixing of slip bricks, tiles, stones & marble bedding.
- As external rendering - Weatherproof & frost resistant render.
- As bonding slurry coat for pinhole treatment on concrete surface.

ADVANTAGES:

- Excellent adhesion to most building substrates.
- Improves flexural, tensile, and thin section fragility of cementitious systems.
- Allows breathing, thus preventing peeling and scaling.
- Gives a tough, hardwearing surface with effective waterproofing.
- Reduces chloride salt penetration in marine environment.
- Improves bond strength with steel.
- Self-curing & non-toxic and thus can be used for coating structures storing potable water.
- Is non-toxic and thus can be used for coating structures storing potable water.

TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Chemical Base	Carboxylate Styrene Butadiene Latex
2	Form	Liquid Emulsion
3	Pot Life	Approx. 30 min.
4	Density	1.35 kg/ltr
5	Compressive Strength	65 mPa
6	Tensile Strength	3.2 N/mm ² (ASTM D 412)
7	Slant Shear Strength	50 mPa (ASTM D 7234)
8	Solid Content	47%
9	Flexural Strength	8.52 mPa
10	Coverage	20-22 sq. ft/ltr
11	Bond strength	2.02 mpa

DIRECTION FOR USE:

Surface preparation is vital for effective adhesion and bonding of BOND GURD-SBR. To start with, free the surface from laitance, loose dust particles, oil, grease and other dirt. Then weigh out 1 kg of BOND GUARD- SBR in a plastic container of 2-liter capacity. Weigh out 6 kg of ordinary Portland cement from a bag of fresh cement & 3 litre of water. Add the cement gradually to BOND GUARD- SBR & water with constant stirring with mixing ratio 1: 3: 6 – SBR: water: cement. Ensure there is no formation of lumps. Stir constantly until all the cement has been added to BOND GUARD- SBR and slurry of uniform consistency is achieved. Apply this slurry on the substrate using a soft 4-inch-wide paint brush. Apply the slurry in one direction only.

STORAGE & SHELF LIFE:

Store away from direct sunlight. 1 year in tightly sealed container.

SAFETY PRECAUTIONS: Wear gloves, goggles, and mask to avoid skin and eye contact. Bond Guard- A is non-toxic, non-flammable and non-hazardous. However, any splashes on any part of the human body must be washed with plenty of water.