

## BOND GUARD -A

### (Acrylic based polymer bonding agent)

#### DESCRIPTION:

BOND GUARD- A is an acrylic polymer based bonding agent from selected synthetic copolymers to meet various application needs. It provides a strong bonding coat to protect and repair RCC and steel structures.

#### 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.

#### TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Colour	Milky White
2	Form	Liquid Emulsion
3	Pot Life	Approx. 30 min.
4	Sp. Gravity	1.10 ± 01
5	pH	7-9
6	Tensile Strength	2.5 N/mm <sup>2</sup> (ASTM D 412)
7	Tensile Adhesion Strength	2 N/mm <sup>2</sup> (ASTM D 7234)
8	Elongation @ Break	100% (ASTM D 412)

### **DIRECTION FOR USE:**

Surface preparation is vital for effective adhesion and bonding of BOND GURD- A. To start with, free the surface from laitance, loose dust particles, oil, grease and other dirt. Then weigh out 1 kg of BOND GUARD- A in a plastic container of 2-liter capacity. Weigh out 1 kg of ordinary Portland cement from a bag of fresh cement. Add the cement gradually to BOND GUARD- A with constant stirring. Ensure there is no formation of lumps. Stir constantly until all the cement has been added to BOND GUARD- A 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.

### **COVERAGE:**


1 Kg Bond Guard-A Covers 50-55 Sq. ft

### **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.

 +91 9323244244