

## **BOND GUARD- A**

Acrylic based polymer bonding agent

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### **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:**

- For 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.

## **Constro Chem India Pvt Ltd**

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## 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.
- Resists water pressures up to 5 bars.
- Self-curing.
- Is non-toxic and thus can be used for coating structures storing potable water.

## Typical Properties:

Color	Milky white
Form	Liquid emulsion
Application Temp.	> 50 C
Service Temp.	- 40°C to + 90°C
Pot Life	Approx. 30 minutes
Sp. Gravity	1.02 ± .01
Ph	7 - 9

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## **Direction for use:**

Surface preparation is vital for effective adhesion and bonding of Bond Guard 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

## **Packaging:**

1 kg, 5 kgs, 20 kgs, 200 kgs

## **Storage and Shelf life:**

Store away from direct sunlight. 12 months from date of manufacture

## **Safety precautions:**

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.

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