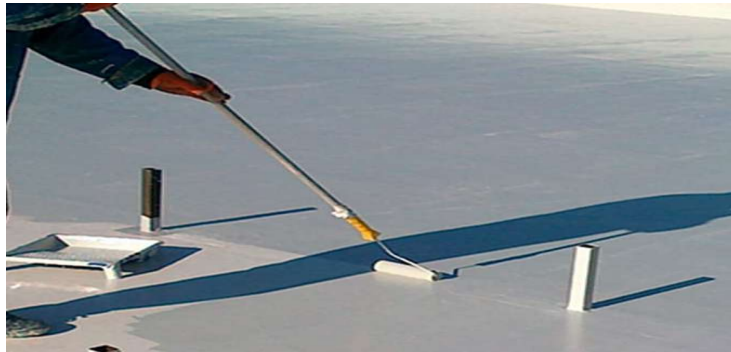


ROOFBOND

Polyurea Based Elastomeric Waterproofing Coating



PRODUCT DESCRIPTION

ROOFBOND is a Liquid Applied Two Component Coating Based on Polyurea Chemistry that cures by reaction to give a continuous film, which is rubbery and elastic. It contains leafing pigments, with reinforcing properties. ROOFBOND is a very high solids coating designed to give a high-build film. It can be brush or spray applied (with airless spray equipment) or even troweled.

ADVANTAGES

- High Temperature Stability.
- Low Temperature Flexibility down to -15 degree.
- Dirt Pick-up Resistance.
- Excellent Adhesion to Polyurethane foam and many other substrates.
- Easy application by spray, Brush, or roller-thus lowering application costs.
- Low toxicity and Odor.

APPLICATIONS

- Cured concrete substrate e.g. roofs (Flat or sloping), Balconies and Decks.
- All Metal Roofs.
- All prefabricated Concrete Structures.
- Terrace, Podium, Water Tanks, Terrace Garden, Flyover, Bridge deck.
- Basement and Retaining wall.
- Crack Bridging membrane.

ROOFBOND is designed to bond to many types of substrates particularly those commonly used as Roofing, such as felt, Asphalt, Slate, Tiles, Asbestos, Concrete, Brick, Wood Glass and Metals with appropriate Primers. However, it is essential that substrate and structures are properly prepared and Stable. Surfaces previously treated with Silicone based materials will be difficult to overcoat.

APPLICATION METHOD

SURFACE PREPARATION

Grind the surface with power grinder to create proper surface bonding of primer and top coat. Surface preparation and use of suitable primer is very important while applying ROOFBOND. All surfaces must be clean and dry and free of any dust, dirt, oil, surface chemicals or other chemicals or other contaminants that may interface with optimum adhesion of primer. All loose gravel, if present, shall be removed by power sweeping and/or vacuuming. Most prefer way to remove dust is by vacuuming.

PRIMING

Apply Primer to well-prepared surface at 100 gm/m² or 40 µm thickness. Allow primer to dry for 2-4 hours. Surface moisture should be < 5%.

MIXING

Stir Component A separately for 5 minutes to get homogenous material (Since material contains fillers, it may get settled in the bottom of container). Now pour all content of this bucket into Part/Component B. Never add Component B to component A. Mix component A and B together for 5 minutes to get uniform mix and color. Use a power mixer capable of uniformly mixing the entire container prior to use. Reducing the mixture is not recommended, as it affects the coatings setting and ability to achieve a heavy film build with excellent vertical hold and hide.

APPLICATION

Reinforce all moving cracks, seams, splits, control joints, vertical/ horizontal interfaces, roof termination pints, openings, transition areas, around the base of all Vents pipes and other protrusions, as well as around HVAC units and other roof mounted equipment with Fibrecon P55 or P140 Mesh, a Polyester reinforcement fabric, embedded in to ROOFBOND.

TECHNICAL DATA

PROPERTIES	RESULTS
Nature	Two Component
Color	White/Gray/Other Selected Colors
Pot Life at 23°C	30 minutes
Hard dry time at 30°C	8 to 10 hours
Complete curing time at 30°C	7 days
Recoat ability time at 30°C	4 to 5 hours
Finish	Smooth and matt
Coverage	1.65-1.80 kg/m ² (as per roughness or porosity of surface) for 1.0 mm thickness
Tensile Strength (ASTM D412)	> 5 MPa @ 25°C
Shore Hardness A	>55
Elongation (ASTM D412)	> 400% @ 25°C
Recommended Coats	2 to 3 coats depending upon the substrate

PACKING

ROOFBOND Available in 20 kg Packing.

STORAGE

Store in dry, frost-free conditions at moderate temperatures not greater than 25°C.

SHELF LIFE

12 Months in original unopened sealed condition.

SAFETY MEASURES

- Avoid Contact with skin/Eyes and avoid Swallowing.
- Ensure adequate ventilation and avoid inhalation of Vapor.
- Wear suitable Protective Clothing, Gloves and Eye Protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

WARRANTY

Highbond Coatings Pvt Ltd warrants ROOFBOND to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of ROOFBOND.

Because the Highbond Coatings Pvt Ltd does not perform the actual installation, it cannot be held responsible for the results of the application. Highbond Coatings Pvt Ltd specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

Highbond Coatings Pvt Ltd

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