

BLACKBOND BB

Bitumen-Rubber Modified, Water Based, Elastomeric Liquid Membrane



PRODUCT DESCRIPTION

BLACKBOND BB is Cold applied bitumen modified single component liquid waterproofing membrane, specially formulated from a blend of special resin and rubber, reinforced with special water repelling fillers, minerals stabilizers and gelling agent.

USES

- For waterproofing and protection of structure, concrete, columns and beams.
- Useful as protective coating on concrete, brick foundation, retaining wall, timber, metals etc.
- Used as a sandwich membrane in new construction and as surface treatment on existing slabs.

BENEFITS

- Single component, ready to use.
- Environment friendly.
- Solvent Free.
- Provides an impervious waterproofing membrane that protects concrete structure and brick foundations against chloride and sulphate ions present in soil and water.
- Ensures durable bond & resists peeling, chipping, hence lasts longer.
- Easy and direct (cold applied) application, no pre heating required.
- Corrosion resistant and vapor barrier.
- Requires no mixing or heating, saves labor cost.

APPLICATION METHOD

SURFACE PREPARATION

The surface must be thoroughly cleaned and should be free of dirt, gravel, dust and oil. The concrete should be dry and smooth. When applying directly over concrete or old, dry asphalt,

prime first with primer coat. When using as a top coat to protect and rejuvenate existing smooth asphalt roofs, first repair all blisters, cracks, split seams and flashing.

PRIMER: For priming, primer coat of BlackBond BB is applied on prepared surface. For primer coat use BlackBond BB diluted with water in ratio of 1:2.

FIRST AND SUCCEEDING COAT

The coating is applied straight by using standard roofing brooms, brushes, squeegees or airless spray equipment, please check the viscosity to insure smooth spray of the product. Allow full curing of coating, (8 – 10 hours) before applying succeeding coats. For better results use Glass Fiber Reinforcement embedded into 1st Coat while it is still wet. To make the material more workable dilution with water up to 20% for 1st coat & up to 10% for 2nd coat is allowable.

CLEANING

Tools: Clean all the tools immediately with water. Use of thinner may be necessary for dried up material.

Hands: Use a hand cleaner or water followed by soap.

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

TECHNICAL DATA

PHYSICAL PROPERTIES	RESULTS
Appearance	Smooth, Thick Paste
Color	Black
Specific Gravity	0.95 ± 0.10 (ASTM D 1475-03)
Solid Content	55 ± 2 % (ASTM D 1644-03)
Viscosity (Spindle No: 7; RPM:10 @ 25° C	50000 – 70000 CPS
Elongation @ Break	1350 % (ASTM D 2270-98)
Water vapor Transmission	0.46 (g / h - m ²) (ASTM E 96-95)
Tensile Set recovery	95 %
Tear Resistance	28 ± 10 KN/m
Service Temperature, 24 hrs. @ 120°C	No shrinkage, Brittleness
Chemical Resistance, % Weight Change	
- 10 % Salt (Sodium chloride)	3.0
- 5 % Alkali (Caustic Soda)	2.0
- 5 % Acid (Sulfuric)	3.0
Tack Free Time @ 35°C	10 - 12 hrs.
Drying Time @ 25°C	30 - 40 min. (ASTM D 1640 - 03)

Flammability & Toxicity	0.95 ± 0.1
Tensile Strength	0.55 N/mm ² (ASTM D 412-98)

COVERAGE

- Primer Coat – 8 Sq.mt/Kg/Coat
- Final Coat – 1.2 Kg/Sq.mt in 2-3 Coat to achieve DFT of 900 microns to 1mm.

STORAGE & SHELF LIFE

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C Storage should be frost protected.

PACKING

BlackBond BB is available in 20 kg Packing.

INHALATION

Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

EYE CONTACT

Flush eyes with water for 15 minutes and call for medical help.

INGESTION

Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

SKIN CONTACT

Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

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