



ALFASHIELD BLACK

(Rubberized Elastomeric Waterproof Liquid Membrane)

DESCRIPTION

ALFASHIELD BLACK It is cold applied liquid waterproofing membrane. It is specially formulated from a blend of special Rubber and Resin along with special minerals, stabilizers, gelling agent and water repelling fillers.

USES

ALFASHIELD BLACK is an Ideal waterproofing system for concrete roofs, polyurethane foam slabs, and polyester built up roofs, maintenance of existing roofs, masonry and concrete walls, Bridges, Basement, Podium slabs, Green Areas, Planter boxes. Bathroom, decks, metal surfaces etc. It can be used as a sandwich membrane in new construction and as surface treatment on existing slabs,

OUTSTANDING FEATURE

- Single Component, Cold Applied and Highly Elastic Rubber like Membrane.
- Superior wetting & adhesion properties
- Unique Additives added to make it durable.
- Adapts itself over the irregular deck contours.
- Anti-fungal & anti corrosive
- Anti-root property

Benefits

- Requires no mixing or heating, saves labour cost and application time.
- Ensures durable bond & resists peeling, chipping, hence lasts longer.
- Highly Resistance to oxidation, UV & ozone.

TECHNICAL SPECIFICATIONS

Appearance	Smooth, Thick Paste
Color	Black
Specific Gravity	0.98 ± 0.10 (ASTM D 1644-03)
Solid Content %	55 ± 2 (ASTM D 1475-03)
Elongation @ Break	>1300 % (ASTM D 2270-98)
Viscosity (Spindle No: 7; RPM : 10 @ 25° C)	50000 – 70000 CPS
Water vapor Transmission (g / h – m ²)	0.46 (ASTM E 96-95)
Tensile Set recovery, %	95
Tear Resistance, KN/m	28±10
Service Temperature, 24 hrs @ 120°C	No shrinkage , brittleness
Chemical Resistance, % Weight Change	
- 10 % Salt (Sodium chloride)	0
- 5 % Alkali (Caustic Soda)	0
- 5 % Acid (Sulphuric)	0
Tack Free Time @ 35° C	0- 12 Hrs
Drying Time @ 25° C	30 - 40 Min.. (ASTM D 1640-03)
Flammability & Toxicity	0.95 ± 0.1
Tensile Strength	1± 0.5N / mm ² (ASTM D 412-98)

**SURFACE PREPARATION**

The surface to be coated 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 ALFASHIELD BLACK is applied on prepared surface. For primer coat use ALFASHIELD BLACK 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 Fibre Reinforcement embedded into 1st Coat while it is still wet. To make the material more workable dilution with water upto 20% for 1st coat & upto 10% for 2nd coat is allowable

COVERAGE

Approximate coverage of **ALFASHIELD BLACK 1.2 Kg / sq.mtr in 2-3 coat to achieve DFT 900 microns to 1 mm**

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 s

STORAGE & SHELF LIFE

Shelf life is 18 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

HEALTH & SAFETY

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

INHALATION: Inhalation of vapour 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 laboured. 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.

PACKING :- ALFASHIELD BLACK is available in 1kg, 5kg, 10kg 20 kg Pail & 50 kg, 200 kg.