

DOLPHIN BITUMINOUS WATERPROOFING

ADVANTAGE

- Single component, easy to apply, no need for mixing or heating; saved labor costs.
- Elastomeric bridge minor cracks which may occur in concrete substrate.
- High tensile strength and elongation.
- Excellent adhesion to substrate.
- Highly elastic product and cures to rubber like membrane.
- Can withstand severe causes of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone.
- Non-cracking.
- Resistance to peeling, chipping and/or separation and longer life.

APPLICATIONS

- Suitable for waterproofing and protection for wet areas, kitchens and substructures.
- Vapor barrier coating for walls and floor.
- Waterproofing system for shaded or tiled roofs.
- Waterproofing for polyurethane foam slab.
- Waterproofing for polyester built up roofs.
- Maintenance of existing roofs, masonry and concrete walls.

DESCRIPTION

DOLPHIN Bituminous Waterproofing is High performance cold applied single component waterproofing membrane, specially designed from a blend of special resin and rubber, reinforced with special water repelling fillers, minerals stabilizers and gelling agent. **DOLPHIN Bituminous Waterproofing** can be applied over several types of substrates as waterproofing and protective coating for concrete and masonry.

TYPICAL PROPERTIES

Test Method	Properties	Unit	Specification
Lab Test	Color	Visually	Black
Lab Test	Appearance	Visually	Black Paste
ASTM D 1640	Drying Time, @ 25°C	minutes	10 – 12
	Tack Free Time	Hours, @35°C	10 – 12
	Hardness	Shore A	0
ASTM D 1475	Specific Gravity	g/cm ³	1.05 ± 0.1
ASTM D 412	Tensile Strength	N/mm ²	500 – 650
	Tensile Set Recovery	%	95
ASTM D 2369	Solid Content	%	60 ± 5
ASTM D 412	Elongation Break	%	1365
	Tear Resistance	KN/m	28 ± 10
ASTM C 1184-05	Shelf Life	Month	12
Lab Test	Coverage (800 microns)	m ² /L	1
ASTM D 3278	Flammability & Toxicity		0.95 ± 0.1

Note:

**Curing time (Drying Time and Open Time) may vary depends on climatic condition during application.*

**Information on this data sheet is subject to change without prior notice and should not be used for writing specifications*

*For additional information on specific applications, contact
AL MUQARRAM INSULATION INDUSTRY L.L.C.*

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PREPARATION

The surface must be thoroughly cleaned and should be free of dirt, gravel, dust and oil. The concrete should be dry and smooth. Concrete shall be at least 28 days old, fully cured and well dry. All holes shall be repaired by proper cementitious mortar prior to application.

HOW TO USE

No need for primer coat prior to applying the **DOLPHIN Bituminous Waterproofing**. If needed, and in case of dusty surface, a prime coat can be applied by diluting 75% **DOLPHIN Bituminous Waterproofing** & 25% water and applying a prime coat. Wait for the coat to dry prior to application. Apply two coats at rate of 0.8-1 kg/ m² to provide a total thickness of minimum 1.5 mm. Stir the contents of drum thoroughly to remove all sediments. Apply material to achieve required thickness at an interval of 24 hours at room temperature. At joints and detailing, apply a layer of mesh reinforcement while the first coat is wet. If needed you can apply the mesh reinforcement all over the application area. Allow 24 hours for curing.

SHIPPING LIMITATIONS

None.

PACKAGING

DOLPHIN Bituminous Waterproofing is available in 5 kg bucket, 10 kg bucket and 20 kg bucket.

STORAGE AND SHELF LIFE

Store away from sunlight and preferably below 30°C. Storage should be frost protected. **DOLPHIN Bituminous Waterproofing** has 12 months shelf life if stored in required conditions.

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

CAUTION

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. 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. In case of 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. For skin contact, flush with water or soap and water until all traces have been removed. Seek medical attention if required.

KEEP OUT OF REACH OF CHILDREN.