



DOLPHIN BITUMINOUS WATERPROOF

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.

TECHNICAL PROPERTIES



Properties	Test Method	Unit	Specifications
Color	Lab Test	Visually	Black
Appearance	Lab Test	Visually	Smooth Paste
Curing Time	Lab Test	Hours @ 25°C	48 (Approx.)
Hardness, Shore A	ASTM D 2240	Points	5 – 15
Specific Gravity	ASTM D 1475	g/cm ³	1.10 ± 0.15
Tensile Strength	ASTM D 412	N/mm ²	0.67
Elongation Break	ASTM D 412	%	>850
Solid Content	ASTM D 1644	%	70 ± 5
Viscosity @ 25°C, S6, rpm-20	ASTM D 2196	cPs	45000-65000
Shelf Life	Lab Test	Months	12
Water Permeability	Lab Test		Almost Zero

Note:

** Curing time may vary depending 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.*

TYPICAL USES

- 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

KEY FEATURES

- 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.



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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.

APPLICATION INSTRUCTION

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 a minimum of 2 coats by brush or spray equipment. The second coat is applied when the first coat has completely dried. Apply each coat at a right angle to the previous coat to achieve good coverage and uniformity. A third coat is required for very porous substrate. 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 48 hours for curing. Coverage: 0.3 to 0.5 Kg/m²/Coat-Depending on the substrate.

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.

HEALTH AND SAFETY

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.

KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

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. AMI reserves the right to change the properties of its products without notice.

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