DryTex HB500

High Build Waterproofing and Protection System

DRYTEX HB500 is a fluid applied, cross linked, tough, flexible and sustainable waterproof membrane, engineered with polyurethane modified elastomeric acrylic polymers which forms a thick rubber-like blanket of protection, insulation and waterproofing that expands and contracts with substrate. DRYTEX HB500 truly waterproof flat roofs, substructure, basement slab roof, pitched roofs, Parapet Walls, Metal Roof Decks, Terraces, etc., and provide a seamless membrane that stays watertight longer than conventional seamed membrane. It will not crack, crumble, or peel despite exposure to severe weather or total joint movement. It will provide a 100% waterproof and weather proof seal adhering tightly to any surface. This product forms a thick, rubber shield that expands and contracts to prevent cracking and substrate damage. This silicone enhanced product offers unbeatable waterproof protection and long term life. It also provides a highly protective barrier which reflects the sun's heat and destructive UV rays.

Features

- Completely seamless high build waterproofing membrane
- 100% adhesion of system to substrate and Chemical resistant
- Expands and contracts - clings to your roof in all temperatures
- Energy star product for Green roofing for energy efficiency
- Completely UV resistant & Protects corrosion
- VOC free, non-toxic and environmentally compliant
- Fire retardant and provide insulation to heat and sound.
- Resistance to chemicals

Application field

For waterproofing and protecting a wide assortment of substrates that are structurally sound. Designed for roof waterproofing solution for new build and refurbishment projects (exposed or concealed)
Roofs of most substrates (concrete, corrugated metal, cement screed, glass, timber etc)
Wet areas and Podium as an under tiling waterproofing membrane
Façade, Pool and Planters area Building Substructure and superstructure

Properties

Property	Value	Test Method
Color	White	
Solids by weight	80 %	ASTM D 1259
Hardness	70 Shore A	ASTM D-2240
Tensile Strength	5 Mpa	ASTM D-412
Elongation	480%	ASTM D-412
Adhesion on concrete	2.2N/mm²	ASTM D 4541
Crack bridging Passed	2 mm at 15°C	
Flash Point	None	
Application temperature	5°C – 50°C @Less than 85% relative humidity	
VOC	Less than 10 g / L	
Coverage	1.2 Kg / Sq.m for two layers	
Dry Time	Dry to touch in 4 – 6 hours, 12 – 24 hours to recoat.	
Full Cure	24 to 36 hours depends atmosphere conditions	

engineered to perform

Installation

(a) Surface Preparation
Surfaces to be coated must be clean, dry and free of any oil, grease or dirt. Patch and repair cracks, blisters and other problem areas using suitable materials recommended by ORGANIX technical support. Any existing coating must be checked for good adhesion. The loosen materials should be removed well. Clean by wire brush and use pressured air to blow out all the dust.

(b) Tools required
Tools or equipments to be used for the application
1. Roller (Short nap roller)
2. Brush (Good quality synthetic bristle brush)
3. Spray (Airless Sprayer, 1gpm, 3,000 psi, .027 or.031 tip)

(c) Reinforcing with FLEXIK.
Overlaps, corroded edges, penetrations of pipes or ducting should be reinforced by FLEXIK reinforcement or any approved compatible material (Contact ORGANIX for selecting the proper reinforcement product). If the reinforcement is by mat or fabric,apply a light coat of Liquid DRYTEX HB500, center the reinforcement fabric on the overlap and roll it out taking care not to create wrinkles press fabric down with squeegee. All fasteners should be sealed or capped with DRYTEX HB500 or SEALFLEX sealant with reinforcement material.

(d) Coating Application
All substrate-preparation materials must be allowed to dry prior to application of the DRYTEX HB500 coating. Immediately prior to application of the coating, all dust, dirt and other contaminants should be blown off the roof surfaces using compressed air. As it is a ready to use product, just mix the single pack itself thoroughly before use. Cover the entire roof substrate as follows.

Apply the basecoat at a rate of minimum 0.6 kg/sq.m. After allowing the basecoat to dry, apply the topcoat at a rate of minimum 0.6 kg / sq.m using a cross hatch technique. Apply the elastomeric coating by brush, roller or airless spray using a multi pass spray technique to ensure even coating application to all sides of the substrate. Make a conscious effort to apply coating into crimped or pre-sealed vertical (side-lap) seams that have not been detailed.

Packing 20 Kg Pail

Storage and Shelf life
Store materials in dry and covered place with careful handling to prevent damage to products. If conditions exceed these ranges, special consideration in storage must be taken. Shelf life under normal conditions in closed container will be 12 months.

Warranty On preapproved, qualified applications, when you use an approved applicator, a 25-year warranty is available. Contact us for complete warranty information.

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ORGANIX BUILDING SYSTEM
Tel: +971 4 3366485, Fax +971 4 3343735
Dubai - U.A.E., E : info@organixbs.com
www.organixbs.com