



**ORGANIX**

# Drytex.HB500

## High Build Waterproofing and protection System

**DRYTEX HB500** is a fluid applied, cross linked, tough, flexible and sustainable waterproof membrane, engineered with urethane modified elastomeric acrylic 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.

**USES** For waterproofing and protecting a wide assortment of substrates that are structurally sound.

- ▶ 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 rated product which saves Energy
- ▶ Completely UV resistant & Protects corrosion
- ▶ VOC free , non-toxic and environmentally compliant
- ▶ Fire retardant and provide insulation to heat and sound.

### PROPERTIES

Property	Value	Test Method
Color:	White / Grey or custom colour	
Solids by weight:	75%	
Density:	8.7±.2 lbs per gallon	
Hardness:	70 Shore A	ASTM D-2240
Tensile Strength	5 Mpa	ASTM D-412
Elongation:	480%	ASTM D-412
Adhesion on concrete	2.2N/mm <sup>2</sup>	ASTM D4541
Crack bridging	Passed 2mm at 15°C	
Flash Point:	None	
Permeability	3.5 perms	ASTM E-96
Application temperature	45° - 100°F @Less than 85% relative humidity	
Voc	Zero g/L	
Coverage:	1 sq. m with 1.2 liter @1200micron .Two coats(600miconX2)	
Dry Time:	Dry to touch in 4 - 6 hours, 12 - 24 hours to recoat.	
Shelf Life:	12 months @ 40°-90°F	

All values are subject to ± 5-10% tolerances.

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## 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 loose existing waterproof systems should be removed well. Clean by wire brush and use pressured air to blow out all the dust.

## (b) Application

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 (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 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. Cover the entire roof substrate as follows.

1. Apply the basecoat at a minimum thickness of 600 Micron
2. After allowing the basecoat to dry, apply the topcoat at a minimum rate of 2sq.m per 1.2 liter 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. The coating minimum dry-film thickness required at any location is 1200 micron. This is generally considered the minimum coating thickness for a 25 years product warranty. For extended coverage periods, additional coats and heavier film builds will be required.

**PACKING:** 20 LITRE PAIL

**STORAGE:** Store materials between 40°-90°F 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.

