

DryTex HB500-AC

High Performance Surface Protection System

DRYTEX HB500 AC is a fluid applied, cross linked, tough, flexible and sustainable, water based elastomeric coating system, engineered with pure aliphatic acrylic resin blend which forms a thick rubber-like blanket of protection, insulation and waterproofing that expands and contracts with substrate. DRYTEX HB500 AC truly protects and waterproof exposed concrete surfaces and structures, slab roof, pitched roofs, Parapet Walls, bridges, exposed structures etc. and provide a seamless membrane that stays watertight, weather proof and atmospheric protection 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% weather proof seal adhering tightly to any surface. This product forms a rubber shield that expands and contracts to prevent cracking and substrate damage. It also provides a highly protective barrier which reflects the sun's heat and destructive UV rays.

Features

- 100% adhesion of system to substrate, anti-fungal and anti-bacterial
- Expands and contracts - clings to the substrate in all temperatures
- Extreme protection of concrete from carbon dioxide
- Excellent resistance to abrasion and fog
- Protects the concrete from waterborne salts and chloride ion ingress
- Energy Star rated product which saves Energy
- Good barrier against salts and atmospheric gases
- Breathable (water vapour) and resistant to impact
- Completely UV resistant & resistance to heat and humid
- VOC free, non-toxic and environmentally compliant
- Fire retardant and Extremely chemical resistant

Application field

- Concrete roofs, Bridges, Building car parks, anti-carbonation coating for exposed concrete structures
- Reinforces columns, soffits, marine and coastal environments

Properties

Property	Value	Test Method
Color	White and other RAL colours	
Solids by weight	75%	ASTM D 1259
Density	1.2 g/l	
Hardness	70 Shore A	ASTM D-2240
Tensile Strength	5 Mpa	ASTM D-412
Elongation:	450%	ASTM D-412
Adhesion on concrete	2 N/mm ²	ASTM D4541
Crack bridging	3mm at 15°C	ASTM C 836
Flash Point	None	
Permeability	3.5 perms	ASTM E-96
Solar Reflectance Index	95%	ASTM C1549-09
Carbon dioxide diffusion resistance	Excellent resistant ($\geq 500\text{mm}$)	Equivalent to 30N/mm ² concrete
Chloride Ion Penetration	NIL	ASTM C1202
Chloride ion diffusion resistance	Excellent resistant	ASTM C1556-11a
Application temperature	5°C - 50°C @Less than 85% relative humidity	
VOC	≤ 50 g/L	
Coverage	0.3L/sq.m @250 micron DFT	
Dry Time	Dry to touch in 4 - 6 hours, 24 hours full cure	



engineered to perform

Installation

(a) Surface Preparation

Surfaces to be coated must be clean, dry and free of any oil, grease, surface chemicals, dirt and other foreign contaminants. 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 substrate materials systems should be removed well. Clean by wire brush and use pressured air to blow out all the dust.

Surfaces shall be free of sharp projections, ridges and losses aggregate. The actual surface preparation procedures which are to be followed on a specific project will vary depending upon the age of the concrete, the degree of finishing or troweling, or presence of contaminants or curing compounds. All pipe penetrations, drains to be reinforced using proper materials approved by Organix and Organix Primer, PrimeBond preferred for the required substrate,

(b) Application

Tools or equipments to be used for the application

1. Roller (Short nap roller)
2. Brush (Good quality synthetic bristle brush)
3. Airless spray method (Pressure 2500 psi)

Coating Application

All substrate-preparation materials must be allowed to dry prior to application of the DRY-TEX HB500 AC 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. Trough mix DryTex HB500 liquid prior to the application for the stability .Apply the base-coat at a minimum 0. 15L/sq.m
2. After allowing the basecoat to dry, apply the topcoat at a minimum rate of 0.15L/sq.m 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. 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 L Pail

Storage Store materials between 5°-50°C 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.

Safety Keep out of reach of children. Ensure to maintain good ventilation during application and drying process. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice. If product is ingested drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria.

Warranty

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

Product information contained herein are presented in good faith and believed to be reliable. They do not constitute part of our terms and conditions of sale. It is also not a guarantee, either expressed or implied, that the data are correct or that products described are merchantable or fit for a particular purpose as methods of use are beyond our control. Customer should determine the suitability of our materials and installation recommendations before usage. Manufacturer's sole responsibility shall be to replace that portion of any product that proved to be defective.

