

DryTex ER 1000

Hybrid Polymer waterproofing and protection system

DRYTEX ER 100 is a one-component, VOC-compliant, ready-to-use, Hybrid waterproofing membrane that is applied as liquid. It cures after being applied to a solid material, forming a seamless waterproof membrane by maintains its elasticity suitable for applications to horizontal and vertical surfaces. It is a hybrid polymer liquid waterproofing system based on alpha-hybrid silane terminated polyether technology. **DRYTEX ER1000** is specially designed waterproofing membrane with ultimate protection for simple, detailed or complicated structures.

Outstanding Features

- It's a highly elastic product, cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique Additives used in compounding it. It is trafficable once fully cured.
- More durable than traditional membrane and lasts longer
- Highly resistant to extreme temperatures of heat and cold.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.
- No Hazardous chemicals and green building comply.

Uses

Ideal waterproofing system for new build, repair or refurbishment projects, concrete based built up roofs, maintenance of existing roofs, masonry and concrete walls, bridges, decks, walkways ,terraces, metal surfaces and polyurethane foam etc

Charecteristics

PROPERTIES	TYPICAL DATA	TEST METHOD
Construction	Liquid Elastomeric	
Tear Stength	>_28N/m	ASTM D 624-98
Tensile strength	4 N/mm ²	ASTM D 412
Elongation	600 %	ASTM D 412
Solid content	≥90%	ASTM D2369
Adhesion on Concrete	2.2N/mm2	ASTM D903
Low Temp Flexibility	-35°C	ASTM C836
Shore A Hardness	≥60	ASTM D 2240-05
Crack bridging	Passed 1/16'' at 15 F0 (-9C0)	ASTM C 836
Permeability	1.02 perms	ASTM D 412
Coverage Rate	1 m ² / 1.2 L (minimum)	
Preferred	Two coats	
Setting time	One day	
Full cure	Two days	
Color	White /Grey	
Duration between the coats	4 hours	
Water Vapour Transmission for 1.3mm film	9.8 g/m2/24hours	ASTM E96
Service Temperature	-40°C to 70°C	



engineered to perform

Surface to be waterproofed shall be dry, clean, sound and free of all contaminants which may interfere with adhesion or proper curing. The substrates should not contain holes or cracks and should be dust-free. This kind of defects should be fixed with repair mortars prior to application.

Detailing like horizontal-vertical junctures, projections, expansion joints and other areas of potential high movement may require reinforcement mate and sealants to detail.

Consult with OBS tech team for further information. All detailing must be cured a minimum of 12 hours prior to the application of the membrane. Detailing shall be wiped clean prior to the application of the membrane.

Application

Before application, mix DRYTEX ER1000 by hand or using a mechanical mixer at slow. This rapid setting liquid is spread at the desired thickness onto the prepared surface. The coating is applied straight from the container using standard roofing brushes, squeegees or airless spray equipment at the recommended coverage rates on properly cleaned and prepared dry substrates.

Application of the DRYTEX ER1000 System should be done in one complete step to create a smooth uniform self leveling surface without cold joints, lines or streaks.

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 rate of 2sq.m per 1.2 liter
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.
3. The coating minimum dry-film thickness required at any location is 1000 micron. For extended warranty coverage periods, additional coats and heavier film builds will be required.

Health and Safety

Wear protective clothing, gloves and goggles.

Skin :- Avoid repeated or prolonged contact, if contact occurs, clean with hand cleaner that removes oil or grease, then clean with soap and water.

Eyes :- Contact could cause irritation. If contact occurs, flush with clean water.

Inhalation: -Can cause dizziness. Remove to fresh air and if breathing difficulty persist administer oxygen.

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. Do not store at high temperatures in direct sunlight. 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 OBS for complete warranty information.

