DryTex HR7020

Highly Rubberized Bituminous Waterproofing

One component, VOC compliant, elastomeric, liquid applied highly rubberized bituminous waterproofing membrane. It cures to seamless membrane, maintains its elasticity, suitable for applications to horizontal and vertical surfaces. DRYTEX HR7020 is a high build liquid applied waterproofing membrane with ultimate protection for simple, detailed or all types of complicated structures.



Features

- Tough rubber-like-flexible, elastomeric and damage resistant waterproofing membrane.
- Good resistant to abrasion, Corrosion and water
- Crack-bridging capabilities, extremely versatile and high performance
- Asbestos free and odorless
- Environmentally friendly, cold applied -no flame hazard
- Suitable to any season and able to withstand temperature fluctuations
- Excellent resistance against chemicals (Chloride, Sulphate ions, Acids and Alkalis)
- Ultra Low VOC, LEED and Green Building Construction comply product

Application field

Suitable for Substructure, Superstructure, Roof, Tank and water pools.
Waterproofing/damp proofing of most substrates
Waterproofing for interior, exterior walls and wet area.
Protection of concrete manholes from corrosive soil
Waterproofing, Vapour, air protection of structures, retain walls and facades

Confirmation

HR7020 confirms to ASTM 2939, ASTM D 1227 Type III Class 1, ASTM C 156, ASTM D1187, ASTM C309 standards and British standard BS3416, BS 3690 "protection of buildings against water, vapor, air and damp proofing used in buildings.

PROPERTIES	TYPICAL DATA	TEST METHOD
Construction	Liquid Rubber modified Bituminous	
Appearance	Dark brown liquid	
Specific gravity	1000 ±10	ASTM D2939
Tear Strength	30 N/mm	ASTM D 624 -98
Tensile strength	1.6N/mm²	ASTM D 412
Elongation	1000 %	ASTM D 412
Solid content	70 %	ASTM D 2369
Rubber content	20 %	ASTM D 2369
Adhesion on Concrete	2.5 N/mm2	ASTM D 903
Softening Point	165°C	ASTMD2398
Low Temp. Flexibility	-20°C	ASTM C 836
Shore A Hardness	65	ASTM D 2240-05
Crack bridging	3 mm	ASTM C 836
Modulus @100 % Elongation	1.34 N/mm²	ASTM D 412
Water Impermeability	Impermeable	EN 14891
Spread rate	Min 1 L / m² (Two Coats)	
Water Vapor Transmission	0.06 perms	ASTM E 96
Drying time	1-4 hours	ASTM D2939
Setting time	One day	
Duration between the coats	4 to 6 hours	

engineered to perform

Curing efficiency (water loss)	≤ 0.50 kg/m²	ASTM C309
Application temperature	5° C to 50 °C	
Service Temperature	-20°C to 120°C	
Resistance to water	Excellent,No blistering or emulsification	
VOC	Less than 50 g /L	ASTMD 3960/2369

Installation

(a) Surface Preparation

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. All shrinkage cracks shall be treated with suitable material. Moving structural cracks greater than 2 mm shall be routed out and caulked with approved material. The right angle bends must have coving detail installed . In areas where parapet walls , columns, pipe penetrations are present , a 45 °coving fillet shall be made using shrinkage controlled mortar . All detailing must be cured for a minimum period of 12 hours prior to the application of the liquid membrane. Detailing shall be wiped clean and dry prior to the application of the membrane.

(b) Tools or Equipment

Tools or equipment 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 the required areas (Optional)

Areas of potential high movement and expansion joints may require to be sealed with approved reinforcement mat and sealants .Consult with OBS for further information and selection of proper auxiliary materials . All detailing must be cured for a minimum period of 12 hours and wiped clean prior to the application of the liquid membrane.

(d) Coating Application

Before application , mix DRYTEX HR7020 liquid well with a slow and stable speed mixing paddle at least for 3 minutes. The mixing container should be dry and clean.

This rapid setting liquid is spread at the desired thickness onto the prepared surface. The coating is applied 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 HR7020 System should be done in one complete step to create a smooth uniform self leveling surface without cold joints, lines or streaks. Apply the first coat at the required rate .Let it dry (approximately 4-6 hours should be waited between two layers), then apply the second coat at the required rate .Waiting time shortens in hot weather and lengthens in cold weather. Full cure for foot traffic and flood test require minimum curing period of 48 hours.

Packing 20 Litre 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
Dubai - U.A.E., E : info@organixbs.com
www.organixbs.com