DryTex VASTAF-HCR

Highly Chemical resistant epoxy polysulphide Coating

DryTex VASTAF-HCR is a flexible food grade epoxy polysulphide elastomeric coating designed for protective coating against wide range of aggressive chemicals, salt, oils, fuels, ammonia, sea water and sewage. DRYTEX VASTAF-HCR is a two component product and cures to an elastomeric seamless waterproofing membrane with excellent chemical and abrasion resistant. long lasting and resistance to fungus and chemicals is required (waste water treatment facilities). DRYTEX VASTAF HCR is a modified epoxy polysulphide solvent free elastomeric product with high elastic properties.



Features

- UV resistant and High Temperature water resistance
- Crack resistant and Superior Flexibility
- Superior freeze/thaw resistance/High chemical resistance
- Excellent resistance to salt, acids, alkalis and other chemicals
- Effective protection against acid rain
- Self-curing , Non-toxic and breathable
- Continuous water immersion possible
- Good for potable water and confirmed for use in drinking water
- Bridges substrate crack up to 3 mm
- UV stable and superior weather resistant.

Physical Properties	Specification	Standard
Solid content	100 %	ASTM D 2369
Density	1.5 kg/l	ASTM D1475
Consistency of mix	Fluid, applied by brush, roller or airless spray	
Application temperature	5°C to 50°C	
Thickness	500 micron	
Shore A Hardness	88	ASTM D-2240)
Service Temperature	-40°C to 80°C	
Pot life of wet mix	60 min @ 35 °C	
Min. recoat time	2 hrs @20 °C	
Elongation	60 %	(ASTM D-412-98-a)
Tensile Strength	≥ 8 N /mm²	(ASTM D-412-98-a)
Tear Strength	17 N /mm²	(ASTM D624)
Permeance	0.08 perms	(ASTM E 96)
Water Impermeability	Nil	(ASTM E 96)
Bond Strength	≥ 2 N /mm² (Concrete) ≥ 4 N /mm² (Metal)	(ASTM D4541)
Crack Bridging	3 mm	ASTM C1305
Flammability	Passed	(ASTME-108)
Potable Water	Passed	(NSF/ANSI std 61)
Toxicity	Non Toxic	BS 6920:Part1:2000/ SPAN
VOC	(≤25 g/L)	(ASTM D 3960/2369)
Fungus Resistance	Pass	(No growth)
Chemical Resistance	Excellent resistance	(ASTM D543)

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Applications for DryTex VASTAF HCR

- Metal and concrete structures and substrates
- Corrosion protective coating for clarifiers, tanks, internal and external pipework, valves, fittings, water boxes, manholes, cooling tower pans operating in contact with potable water
- Corrosion protection of submersible pumps
- Roof, super structure and sub structure waterproofing
- For potable and no potable water tanks, pipework, chemical tank , reservoirs
- Industrial flooring (food and beverage, vehicle parking, factories)

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Application Procedure

Preparation-Concrete.Structures -

The proper surface preparation is essential for a successful waterproofing. Remove all deteriorated and loose concrete, form release agents, oil, grease, laitance, dust, dirt and efflorescence by dry or wet sandblast, shot blast, or high-pressure water. Repair deeper areas using OBS recommended material.

All cracks of more than 2 mm to be treated with crack filling mortars and sealants and reinforcing mat . Pre-fill any open cracks larger than 2 mm with Organix sealflex or any other material recommended by OBS. All penetrations to be treated with FLEXIK reinforcing fabric /mesh (Consult OBS technical support to select the suitable reinforcement material according to the substrate).

Steel Surfaces

All surfaces should be grit blasted to obtain smooth and bright metal surfaces. The coating work should be scheduled accordingly that newly cleaned steel is coated as possible before the formation of rust or scale

Priming

Priming is not normally required. If required according to the substrate conditions, consult Organix team support@organixbs.com

Mixing

Mix in a clean container by slowly adding component Part B to the component Part A and mixing with low speed drill and mixing paddle. Gradually add Part B to the mixing liquid while the drill is running. Pot life is 60 min @ 35 °C

Application

Can be applied conventionally by brush ,roller or spray equipment. It is recommended to apply first coat by brush to obtain optimum adhesion. DRYTEX VASTAF HCR Waterproofing Membrane has excellent high build properties, and can be built up to 500 micron thickness. But the minimum thickness to meet the product specification is minimum 400 micron. Multiple coats preferred from a curing point of view and dependant on weather conditions at the time of application, it is more pertinent to apply and build up the membrane in two or more coats, to allow quicker cure in each stage. The thicker the application the longer the cure.

Coverage 1 Litre covers 2 sq.m @ 500 micron thickness (theoretical to meet product specification, may vary depending upon the project requirements and specification)

Packing : 20 L Pack

Storage and Transportation DRYTEX VASTAF-HCR , when stored on pallets in dry, cool area from moisture and direct sunlight, has a shelf life of 12 months. The liquid Component B must not freeze.

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