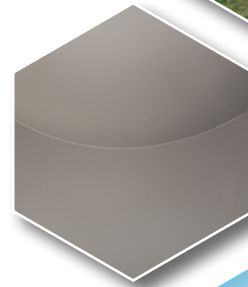


DryTex VASTAF PW9400

Waterproofing System For Potable Water Reservoirs

DRYTEX VASTAF PW9400 is a highly flexible elastomeric urethane resin based super elastic waterproofing and protection system designed for use in contact with potable water to waterproof water tanks and reservoirs in new construction and restoration. DRYTEX VASTAF PW9400 is a internal waterproofing lining of potable water reservoir and wastewater tanks, secondary containment structures where superior flexibility ,long lasting and resistance to fungus and chemicals is required (waste water treatment facilities). DRYTEX VASTAF PW400 is a fluid applied seamless waterproofing membrane, consisting of Component A and Component B.



FEATURES

- UV resistant and Abrasion resistant
- Crack resistant and Superior Flexibility
- Superior freeze/thaw resistance and corrosion resistant
- Excellent resistance to salt, acids, alkalis and other chemicals
- Effective protection against acid rain
- Self-curing and breathable
- Continuous water immersion possible
- Superior negative/positive waterproofing
- Good for potable water and confirmed for use in drinking water environments (Confirmed to NSF/ANSI 61)
- Bridges substrate crack up to 3 mm

Physical Properties	Typical Value	Testing Method
Solid content	≥ 90 %	ASTM D 2369
Consistency of mix	Fluid, applied by brush or roller	
Application temperature	5°C to 50°C	
Thickness	> 1000 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	4 hrs @20 °C	
Elongation	≥ 500 %	(ASTM D-412-98-a)
Tensile Strength	≥ 8 N /mm ²	(ASTM D-412-98-a)
Compressive Strength	28	(ASTM C 109-92)
Permeance	0.08 perms	(ASTM E 96)
Water Impermeability	Nil	(ASTM E 96)
Adhesion to concrete	≥ 2 N /mm ²	(ASTM C -297 Mod.)
Crack Bridging	3 mm	ASTM C 836
Root Resistance	No puncture	(EMPA.Lupinus albus)
Flammability	Passed	(ASTME-108)
Potable Water	Passed	NSF/ANSI 61-2016
Toxicity	Non Toxic	BS 6920 : Part1:2014
VOC	≤ 50 %	ASTM D3960/2369
Fungus Resistance	Pass	(No growth)
Chemical Resistance	Pass	Excellent resistance

engineered to perform

Preparation-Substrate

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. Reinforce and seal all joints, penetrations, cracks using SealFlex construction joint sealants.

All bigger cracks must be treated using DRYTEX VASTAF PW9400 and reinforcing mat. Pre-fill any open cracks larger than 2 mm with DRYTEX VASTAF PW9400 or any other material recommended by OBS Embed a strip of reinforcing mat into the wet DRYTEX VASTAF PW9400 and apply a second coat to fully cover the reinforcing mat (Consult OBS technical support to select the suitable reinforcement material according to the substrate).

Mixing : Component Part A and Part B are separately packed and mixing suitable amount of these two components together on site and then stirred uniformly to have consistency which to be applied on the prepared substrate 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 PW400 Waterproofing Membrane has excellent high build properties, and can be built up to 2000 micron wet in one application. However 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: 0.8 litre of mixed membrane applied wet at 600micron thick will cover 1 square metre. When bridging wider cracks, bed reinforcing mat into the first layer, allowing for over coating once cured. It is ideal for reinforcing cracks in concrete floors prior to tiling. For all round protection and durability, the final coat in the system should be applied at a rate of 0.8litre per square ,metre giving an optimum dry film thickness. The service life of the membrane is a direct correlation to final dry film thickness. A built in latent curing mechanism activated by loss happens in 3 stages. Firstly there is the initial evaporation of the majority of liquid in the system, followed by the second stage where the surface skins over and cures. The third stage (which takes a minimum of 2-6 days) is to complete cure and gain of cohesive strength. The application of the second coat can proceed after stage two. This is a two stage system, inclusive of the necessary bond breaker requirements being addressed.

Limitations

Do not apply DRYTEX VASTAF PW9400 when the temperature is expected to be below 4°C within 48 hours, or when rain is imminent.

Packing : 20 L (Two Pack System)

Storage and transportation : DRYTEX VASTAF PW400, 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.

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



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