



DRYTEXCem2P

HIGHLY FLEXIBLE CEMENTITIOUS WATERPROOFING MEMBRANE

DRYTEX CEM 2P is a acrylic polymer modified cementitious waterproofing and protection system, designed for positive and negative waterproofing /protection of concrete structures in new construction and restoration. It is suitable for water and wastewater tanks, secondary containment structures, tunnels, concrete slabs, bathrooms, balconies and patios with light to medium traffic and in new construction, where superior flexibility is required (waste water treatment facilities).

DRYTEX CEM 2P is a cementitious slurry mortar, consisting of dry Component A and liquid Component B



- ▶ Bridges substrate crack up to 1.6 mm
- ▶ Crack resistant and Superior Flexibility
 - ▶ Approved for potable water tanks and echo friendly
 - ▶ Superior freeze/thaw resistance
 - ▶ Excellent salt scaling resistance
 - ▶ Effective protection against acid rain
 - ▶ Self-curing and breathable
 - ▶ Continuous water immersion possible
- ▶ Superior negative/positive waterproofing
(ANSI/NSF Drinking Water System Components)



TECHNICAL DATA

PROPERTIES	VALUES	TEST METHOD
Color	Grey/ White	
Thickness	>1200 micron DFT	
Shore A Hardness	88	(ASTM D-2240)
Service Temperature	-20°C to 60°C	
Pot life of wet mix	30 min @ 35 °C	
Min. recoat time	2 hrs @20 °C	
Elongation	80%	(ASTM D-412-98-a)
Tensile Strength	4.2 MPa	(ASTM D-412-98-a)
Compressive Strength	42MPa	(ASTM C 109)
Permeance	0.106	(ASTM E 96)
Adhesion to concrete	1.5MPa	(ASTM C -297 Mod.)
Crack Bridging	1.6mm	
Root Resistance	No puncture	(EMPA .Lupinus albus)
Flammability	Passed	(ASTME-108)
Potable Water	Passed	(NSF/ANSI std 61)
VOC	0%	(0 g/L)
Fungus Resistance	Pass	(No growth)
Chemical Resistance	Pass	

All values are subject to ± 5-10% tolerances.

ORGANIX



ORGANIX

SURFACE PREPARATION

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 ORGANIX recommended material.

All cracks must be treated using DRYTEX.CEM2P and reinforcing mat. Pre-fill any open cracks larger than 2 mm with DRYTEX.CEM2P or any other material recommended by ORGANIX. Embed a strip of reinforcing mat into the wet DRYTEX.CEM 2P and apply a second coat to fully cover the reinforcing mat (Consult ORGANIX technical support to select the suitable reinforcement material according to the substrate).

MIXING: Mix in a clean container by slowly adding the powder component to the liquid component and mixing with low speed drill and mixing paddle. Gradually add the powder to the mixing liquid while the drill is running. Pot life is 90 minutes @ 28°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 CEM2P 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 600 micron thick will cover 1 square metre. When bridging 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 0.8 litre 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 water loss happens in 3 stages. Firstly there is the initial evaporation of the majority of water 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. CEM2P when the temperature is expected to be below 4°C within 48 hours, or when rain is imminent.

PACKING: 15 KG POWDER + 5 LITRE LIQUID

STORAGE AND TRANSPORTATION

DRYTEX CEM 2P, when stored on pallets in a dry, cool area, free from moisture and direct sunlight, has a shelf life of 12 months. The liquid Component B must not freeze.

ORGANIX
BUILDINGSYSTEM

Dubai - U.A.E, Tel: +971 4 2676951
Fax: +971 4 2676931
E-mail: info@organixbs.com
www.organixbs.com



SAFETY & PRECAUTIONS: Although this is a safe to use product it is recommended that you follow good safety and hygiene practices. It is solvent free and contains no VOC's and is considered safe to use. Wearing of gloves is recommended and goggles against splashes. Good ventilation is recommended and avoid contact with skin, eyes and mouth. Refer to products Material Safety Data Sheet for full safety data.