DryTex MC250

Weather resistant methacrylate coating

DryTex MC250 is a flexible weather resistant pigmented elastomeric coating designed for protective coating against weather, sunlight, rain, vapour, moisture and chemicals. This product is extremely weather resistant and suitable for all time temperature. This is trafficable and UV stable product to be used as a roof protective coating and any exterior protection against tough climatical conditions.



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
- Solvent based
- Continuous water immersion possible
- Superior negative/positive waterproofing
- Good for potable water and confirmed for use in drinking water
- Bridges substrate crack up to 3 mm

Physical Properties	Specification	Standard
Solid content	60 %	ISO 3233
Density (Mix)	1.2/l	
Consistency of mix	Fluid , applied by brush or roller	
Application temperature	5°C to 50°C	
Thickness	75 micron /coat	
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	250 %	(ASTM D-412-98-a)
Tensile Strength	≥ 8 N /mm²	(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 /mm²	(ASTM C -297 Mod.)
Crack Bridging	3 mm	ASTM C1305
Flammability	N A	(ASTME-108)
VOC	Less than 250 g/l	Green Building for solvent
based product		
Fungus Resistance	Pass	(No growth)
Chemical Resistance	Pass	Excellent resistance

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Application Procedure

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 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
Normally doesn't require but if requires Use of primer ,solvent free epoxy primer is preferred for optimum adhesion to any surfaces

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 MC250 has excellent high build properties, and can be built up to 1000 micron thickness. But the minimum thickness to meet the product specification is minimum 75 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 more than 10 sq.m for one coat and multiple coats needs more material . The condition of substrates also change the material consumption.

Packing
20 L Pack

Storage and Transportation DRYTEX MC 250 , 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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