DryTex.PU TC100

Two Component Polyurethane Water Proofing System

DRYTEX PU TC 100 is a double component, VOC compliant, high build, elastic, polyurethane- liquid applied high build waterproofing membrane . It maintains its elasticity, suitable for applications to horizontal and vertical surfaces. DRYTEX PU TC100 is specially designed from polyurethane.

Outstanding Features

- t's a highly elastic product, cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique additives used in compounding it
- Highly flexible. So it does not crack.
- Good Abrasion resistant
- More durable than normal coatings and lasts longer than most other coatings
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and or separation and a longer life
- It is extremely chemical resistant
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious

Field of Application

DRYTEX PU TC 100 is specially designed for waterproofing of various types of substrate .

Ideal waterproofing system for Terraces and terrace gardens, Tunnels, Water tanks, concrete based wet area,built up roofs, maintenance of existing roofs, masonry and concrete walls, bathrooms, basements, bridges, decks, metal surfaces etc

After curing reaction, it will be formed to a tough and flexible waterproofing membrane with high elasticity, suitable for applications to horizontal and vertical surfaces

Charecteristics (Confirms to Astm C 836)

PROPERTIES	TYPICAL DATA	TEST METHOD
Construction	Liquid Elastomeric Polyurethane	
Tear Strength	>24 N/mm²	ASTM D 624
Tensile strength	> 9 N/mm²	ASTM D 412
Elongation	550 %	ASTM D 412
Solid content	100 %	ASTM D 2369
Recovery	100 %	
Adhesion on Concrete	2.5 N/mm2	ASTM D 903
Low Temp. Flexibility	- 40° C	
Shore A Hardness	80	ASTM D2240
Crack bridging	3mm	ASTM C 1305
Permeability	0.03 perms	ASTM E 96
Coverage	1 L / 1 m² at 1000 micron DFT	
VOC	< 50 g/l	ASTMD3960/2369
Setting time	One day	
Service Temperature	- 40° C to 150° C	
Color	Black, Grey, White and Customized	
Duration between the coats	4 hours	
Pot life @25° C	70 mints	

engineered to perform

Installation

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 shall be routed out and caulked with approved ORGANIX material. Detailing like horizontal-vertical junctures ,projections, expansion joints and other areas of potential high movement may require reinforcement mate and sealants to detail. Consult with OBS tech for further information. All detailing must be cured for a minimum period of 12 hours.

Mixing

Component Part A and party B are separately packed and mixing suitable amount of these two components together on site , and then stirred uniformly to get have uniform liquid which to be applied on the required substrate .

Application

This liquid is spread at the desired thickness onto the prepared surface. The coating is applied from the container using standard roofing brushes, squeegees or rollers equipment at the recommended coverage rates on properly cleaned and prepared dry substrates. Application of the 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 rate of 500 micron thickness. Let it dry fully (approximately 4-6 hours should be waited between two layers), then apply the second coat (500micron thickness) .Waiting time shortens in hot weather and lengthens in cold weather.

Packing

20 Litre packs

Health and Safety : DRYTEX.PU TC 100 is non-flammable, non-toxic and no health hazards.

engineered to perform

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