DryTEX PU 400

Polyurethane Waterproofing and Protection System

One component, VOC compliant, ready to use, elastic, high build polyurethane liquid applied waterproofing membrane. It cures by reaction with humidity, maintains its elasticity, suitable for applications to horizontal and vertical surfaces. DRYTEX PU400 is specially designed 100 % polyurethane waterproofing membrane with ultimate protection for simple, detailed or complicated structures .



Outstanding Features

- t's a highly elastic product, cures to a seamless membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to abrasion, Corrosion, water and root penetration.
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and or separation and a longer life
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.
- Excellent mechanical, salt, algae, chemical, thermal, UV and weather resistance properties
- Ultra Low VOC, LEED and Green Building Construction comply product.

Application field

Ideal waterproofing and damp proofing system for concrete based substructure ,superstructure, roof, wet area toilets, bathrooms, kitchen, balcony) as an under tiling membrane, maintenance of existing roofs, masonry and concrete walls, basements, bridges, decks, podium, flower beds, planters area , terraces, metal roof etc.Provides excellent adhesion to almost any type of surface.

Characteristics (Confirms to ASTM C 836)

PROPERTIES	TYPICAL DATA	TEST METHOD
Construction	Liquid Elastomeric polyurethane base	
Tear Strength	30 N/mm	ASTM D 624 -98
Tensile strength	5 N/mm²	ASTM D 412
Elongation	950	ASTM D 412
Solid content	100	ASTM D 2369
Adhesion on Concrete	2.4 N/mm2	ASTM D 903
Low Temp. Flexibility	-35°C	ASTM C 836
Shore A Hardness	75	ASTM D 2240-05
Crack bridging	3 mm	ASTM C 836
Modulus @100 % Elongation	1.34 N/mm²	ASTM D 412
Water Impermeability	Impermeable	EN 14891
Spread rate	1 L / m² (Two Coats)	
Water Vapor Transmission	0.06 perms	ASTM E 96
Setting time	One day	
Duration between the coats	4 to 6 hours	
Application temperature	5° C to 50 °C	
Service Temperature	-40°C to 90°C	
VOC	Less than 20 g /L	ASTM D 3960/2369

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

engineered to perform

Installation

(a) 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 greater than 2 mm shall be routed out and caulked with approved material. The right angle bends must have coving detail installed. In areas where parapet walls , columns, pipe penetrations are present, a 45 °coving fillet shall be made using shrinkage controlled mortar. All detailing must be cured for a minimum period of 12 hours prior to the application of the liquid membrane. Detailing shall be wiped clean and dry prior to the application of the membrane.

(b) Tools or Equipment

Tools or equipment to be used for the application

1. Roller (Short nap roller)
2. Brush (Good quality synthetic bristle brush)
3. Spray (Airless Sprayer, 1gpm, 3,000 psi, .027 or .031 tip)

(c) Reinforcing the required areas (Optional)

Areas of potential high movement and expansion joints may require to be sealed with approved reinforcement mat and sealants. Consult with OBS for further information and selection of proper auxiliary materials. All detailing must be cured for a minimum period of 12 hours and wiped clean prior to the application of the liquid membrane.

(d) Coating Application

Before application , mix DRYTEX PU 400 liquid well with a slow and stable speed mixing paddle at least for 3 minutes. The mixing container should be dry and clean.
This rapid setting liquid is spread at the desired thickness onto the prepared surface. The coating is applied from the container using standard roofing brushes, squeegees or airless spray equipment at the recommended coverage rates on properly cleaned and prepared dry substrates. Application of the DRYTEX PU 400 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 0.5 L / sq.m Let it dry (approximately 4-6 hours should be waited between two layers), then apply the second coat at the rate of 0.5 L /sq.m rate. Waiting time shortens in hot weather and lengthens in cold weather. Full cure for foot traffic and flood test require minimum curing period of 48 hours.

Packing 20 Litre Pail

Storage and Shelf life

Store materials in dry and covered place with careful handling to prevent damage to products. If conditions exceed these ranges, special consideration in storage must be taken. Shelf life under normal conditions in closed container will be 12 months.

Warranty On preapproved, qualified applications, when you use an approved applicator, a 25-year warranty is available. Contact us for complete warranty information.

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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