



PROTECTHANE LC80®

Cold applied Polyurethane Dispersion waterproofing Membrane

DESCRIPTION	PROTECTHANE LC80® is a cold applied Single component bitumen Modified polyurethane waterproofing membrane
Uses	PROTECTHANE PT® is suitable for fixing: <ul style="list-style-type: none"> ➤ Concrete & Polyester built up roofs ➤ Masonry & Metal Surfaces ➤ Basements ➤ Wet Areas ➤ Concrete walls ➤etc
Advantages	<ul style="list-style-type: none"> ➤ Polyurethane Dispersion ➤ High Tensile Strength ➤ Crack Bridging >1mm ➤ Rubber Like Membrane ➤ Resistant to oxidation ➤ Highly durable ➤ Repair Friendly
Compliance	Complies with ASTM D 2833, D-412, D-417, E-96/BW & ASTM C 836

MATERIAL DATA

Type	Polyurethane Dispersion Resin
Form	Dark Black
Packing	1USG & 5USG Pack
Storage Condition	9 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	Test Method
Solid Content	70±5%	ASTM C 836
Tensile Strength	>1.5 N/mm	ASTM D 412
Elongation at Break	600 ± 25%	ASTM D 412
Shore A Hardness	>55	ASTM D 624
Tear resistance	>15 N/mm	ASTM D 1004
Resistance to Bacteria	No Attack	ASTM D 4299
Resistant to Algae	No Attack	ASTM G 29
Water Vapor Transmission	<10.0 gm/m /day	ASTM E 96
Service Temperature	0 - 75°C	ASTM D2485
Resistant to Chemicals	Sodium 10% HCL Alkalis	No Effect No Effect No Effect

Waterproof Product



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APPLICATION DETAILS

Surface Preparation Substrate should be sound, clean and free from dirt, dust, laitance and all loosely adhering particles. Absorbent cement-based surfaces should be thoroughly saturated with water to achieve surface saturated dry condition. All cracks larger than 1mm should be filled with cement base concrete repair.

Application Apply 2 coats **PROTECTHANE LC80®** at 1.0mm per coat thickness directly to the prepared substrate after mixing the **PROTECTHANE LC80** with a slow speed mixer, then apply it using a notched trowel and spread the product evenly over the area. Apply two coats in order to avoid pinholes.
Note: Surfaces Subject to continuous splashes or permanent contact with water shall be left to dry for at least 7 days before they are filled with water.

Method of application:

1. Thinning by 10% clean water
2. For large volume mixing use a low speed drill and mix it for 3 min

Theoretical Spreading Rate 0.8m / Liter @ 1.0mm DFT
Minimum 2 coats are required

Curing 7 days from the date of final application

SAFETY

Protection Measures **PROTECTHANE LC80®** is Polyurethane dispersion based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- Splashes to skin must be washed off with water and Soap
- Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Transportation **Hazardous Material**

Remarks **PROTECTHANE LC80®** should not be used directly on gypsum or gypsum board or under conditions of continuous immersion unless advised otherwise by the manufacturer and under specific conditions

Important Notice:

All instructions and data contained in this Technical Sheet are general information only and are based on our experience and performed tests. Under all circumstances relevant standards and general knowledge of construction/engineering must be implemented. In case of specific questions or requirements please contact our Technical Service.