

BITUBOND-140

Torch applied APP modified bitumen waterproofing membrane reinforced with a core of non-woven polyester fabric, rot-proof and flexible

DESCRIPTION

Bitubond-140 is torch applied membrane manufactured from APP modified distilled bitumen, reinforced with a core of non-woven polyester fabric, rot-proof and flexible.

The polyester gives the membrane its excellent mechanical properties, allows for high tensile, elongation and tear strength.

The chemical resistance Bitubond-140 makes it suitable for tanking applications where aggressive ground water conditions dominate.

ADVANTAGES

- Positive barrier to water ingress and dampness
- Excellent resistance to aging and weathering
- Stability at high temperatures
- High tensile strength and tear resistance
- Accommodates structural movements
- Fast, easy and clean application



Uses

- Concrete roof and floor slabs
- Basements
- Foundations
- Swimming Pools
- Fountains
- Drain Gutters
- Bathrooms
- Reservoirs
- Bridges
- Tunnels
- Sub-grade structures
- Car Park Deck Slabs

TECHNICAL DATA

PROPERTIES	RESULTS	TEST METHOD
Appearance	ASTM D 5147	No defects, holes, tears, cracks, blisters
Thickness	ASTM D 5147	>3.6 mm
Width	ASTM D 5147	1 mt.
Bottom Side Coating Thickness	ASTM D 5147	>0.8 mm
Net mass per unit area	ASTM D 5147	>3700 g/m ²
Peak load at 23 ±2°C	ASTM D 5147	>10 KN/m
Elongation at 23 ±2°C	ASTM D 5147	>35%
Elongation at 5% of maximum load 23 ±2°C	ASTM D 5147	>45%
Tear strength at 23 ±2°C	ASTM D 412	>80 N
Dimensional stability	ASTM D 5147	0.5%
High temperature stability	ASTM D 5147	120°C
Water absorption	ASTM D 5147	<3.2%
Moisture content	ASTM D 5147	0.5%

APPLICATION

Surface Preparation

All surfaces should be smooth and free from all harmful objects and thoroughly cleaned from (nails, Grease, dust, debris, oil, protruding elements etc.)

Priming

Apply liberal coat of the recommended primer and we recommend to use Bituprimer allowed primer coat to dry until it is tack free. Prior to the application of the membrane, all surfaces must re-primed if left for more than 24 hours.

Application

The membrane is unrolled and placed in the correct position where it is to be torched on later. Each roll must side overlap at least 10 cm while slowly unrolling the membrane the surface is lightly heated by means of a profane gas torch causing surface melting and subsequent adhesion to the surface. End joints should be made with a minimum of 15 cm overlap.

The information given in this data sheets is the average of test of various samples conducted under lab conditions. *In accordance to ASTM and UEATc Standards results are subjected to 5 to 20% tolerance.

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THICKNESS

We produce different thicknesses (3,4,5,6 mm) are available upon request.

STORAGE

- Keep the products packed in a dry place.
- Keep away from direct sunlight.
- Do not place the pallets on top of each other.
- Rolls must always be kept in a vertical position.

TECHNICAL SUPPORT

International Insulation Company (IIC) - Bitugulf technical support team consist of expert engineers offers a comprehensive service support to specifiers, end users and contractors, and on-site technical assistance.

HEALTH, SAFETY AND ENVIRONMENT

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas, and torch should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.



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