

BITUROOF - 180

Torch applied APP modified bitumen waterproofing membrane 4mm thick reinforced with 180 gsm non-woven polyester mat

Description

Bituroof 180 membrane is designed with a superior grade of select bitumen, APP polymers, additives and spun bonded non-woven polyester reinforcement weighing 180 gsm, exhibiting a high performance of waterproofing characteristics meeting the diversified demand of waterproofing application in construction industry.

Bituroof 180 membrane forms an impervious waterproof blanket and withstands normal structural movement.

Advantages

- High tensile strength and elongation to withstand dynamic movement in structure.
- High impact strength, tear and puncture resistance.
- Flexibility at low temperatures.
- Stability at high temperatures.
- Resistance towards salts and water-borne chemicals.
- Outstanding bonding ability and seam integrity, fast, easy and clean application.



Uses

To avoid damp and water leakage risk, it's recommended for:

- 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	TYPICAL RESULTS	TEST METHOD
Appearance	No defects, holes, tears, cracks or blisters	ASTM D-5147
Roll Size, m	10 x 1	ASTM D-5147
Thickness, mm	4 ± 0.2	ASTM D-5147
Polyester carrier g/ m ²	180	UEAtc MOAT 30
Mass per unit area min. (g/ m ²)	3905	ASTM D-5147
Bottom side coating thickness min. mm	1.0	ASTM D-5147
Tensile Strength, N/5cm (L/T) at 23 ± 2 °C	850/650	ASTM D-5147 UEAtc M.O.A.T. 30
Lap Joint Strength, N/5cm (L/T)	850/650	UEAtc M.O.A.T. 30&27
Peak load at at 23 ± 2 °C (L/T) before and after heat conditioning, KN/m minimum	14	ASTM D-5147
Elongation at at 23 ± 2 °C (L/T) before and after heat conditioning, at peak load,% minimum	40	ASTM D-5147
Peak load at -18±2 °C (L/T), KN/m, minimum	15.8	ASTM D-5147
Elongation at -18±2°C (L/T), at peak load, % minimum	15	ASTM D-5147
Ultimate elongation at 23±2°C (L/T),% minimum	50	ASTM D-5147
Tear strength at 23±2°C N , minimum	356	ASTM D-5147
Low temperature flexibility, before and after heat conditioning in °C	0 to -5	ASTM D-5147
Dimensional stability % change , maximum	1	ASTM D-5147
Compound stability, in °C minimum	110	ASTM D-5147
Water absorption, % maximum	3.2	ASTM D-5147
Moisture content, % maximum	1	ASTM D-5147
Low temperature unrolling, in °C maximum	5	ASTM D-5147

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.

Specification

Bituroof 180 waterproofing membrane complies with the requirements of ASTM D 6222 type II, Grade S, UEAtc MOAT 30, DIN 52133

BITUROOF - 180

Torch applied APP modified bitumen waterproofing membrane 4mm thick reinforced with 180 gsm non-woven polyester mat

INSTRUCTION TO USE

Surface Cleaning

All surfaces should be smooth, clean and dry. To make sure it is cleaned from nails, grease, dust, debris, oil, protruding elements etc.

Priming

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

Application

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

Application Tools and Equipment

- Propane gas torch with related gas cylinder
- Knife/cutter
- Trowel with a rounded tip
- Marking Aids
- Measuring Tape
- Fire Extinguisher

Storage

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

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.

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.

INTERNATIONAL INSULATION COMPANY (BITUGULF)

Factory

Western Shuaiba Industrial, Block (3), Building (90),
Opposite of Kuwait Steel Co.

Telephone: (+965) 23262822

Fax: (+965) 23262825

Email: info@knimco.com

Showroom

Shuwaikh Industrial, Block (A), Building (139),
Opposite to Hyundai Maintenance Center

Telephone: (+965) 24912765, 90019917

Fax: (+965) 24912776

Email: shwrm@knimco.com

Website: www.knimco.com

