

BITUBOARD 4

Protection board for use with waterproofing membranes

Description

BITUBOARD is a semi flexible board impregnated with (APP) modified bitumen reinforced with non-woven polyester

Uses

To protect waterproofing membranes against impact and abrasion damage from site traffic and from sharp materials during backfill operations.

Advantages

- Light and easily handled
- Durable
- Robust
- Economical and convenient to use -Low water absorption
- Flexible
- Rot-proof

Specifications

The waterproofing membrane shall be protected from mechanical damage by a protection board, nominal thickness 4mm. selection thickness depends on specification requirement to resist impact load.



Packaging and Storage

Bituboard are stacked over pallets and wrapped. Store on ground level in dry and shaded area the pallets should be loaded or off loaded with the help of crane or forklift to prevent damage. Stack not more than one pallet high.

Technical Data

PROPERTIES	RESULTS	TEST METHOD
Reinforcement Polyester g/m ²	180 - 200	UEAtc M.O.A.T. 30
Coating Asphalt : Type		APP Modified Asphalt
Density	1.10 – 1.20	UEAtc M.O.A.T. 30
Softening point (R&B) coating asphalt @	>150	ASTM D-36
Penetration @ 25 @ 0.1 mm	6 – 8 dmm	ASTM D - 5
Bitumen content	50 % min.	ASTM D - 4
Water Absorption @ 24 Hrs.	0.25 – 0.35	ASTM D - 570
Puncture Resistance	ASTM E - 154	800 N
Static Puncture Resistance	UEAtc M.O.A.T. 27	L4 (Non perforated 15 kg. load)
Dynamic Puncture Resistance	UEAtc M.O.A.T. 27	I2 (Non perforated @ 15 – 20 mm indenter)

Properties

Nominal size 1 x 2 mtr. Weight 3 to 6 kg/m², thickness 4mm

Application Tools and Equipment

- Gloves, face mask, coveralls, and safety goggles
- Flame torch & LPG cylinder -Brush / roller
- Steel scrapper
- Cotton waste
- Solvent cleaner
- Measuring tape
- Cutting knife, scissors

Press with a hard roller to strengthen the adhesion of the melted bitumen compound with the membrane surface. Once the board is fixed in place supports have to be provided to keep the boards in place till the adhesive is strong enough to hold the board. Subsequent boards shall be laid continuously by butt fitting the edges. For irregular profiles the board shall be cut to fit all intersections.

Instruction for use

Application of protection board should be avoided in case of extreme weather. Ambient temperature during application should be between 4 °C and 45 °C .

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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