

### DESCRIPTION

A high-performance multi-ply prefabricated self-adhering bituminous waterproof sheet membrane consisting of a highly elastic bituminous compound, internally reinforced with a non-woven polyester and topped with a 100-micron, cross laminated HDPE film. It also incorporates at bottom side with a quick release siliconized film which is removed just prior to the application to the tack coat primed substrate to ensure clean adhesion.

Then immediately protect from UV light and application and mechanical damage during back filling by the application of protection board.

### USES

The ideal membrane for damp proofing foundations, bridges, viaducts and tunnels, sub- grade and various building and civil works as well as industrial application.

### ADVANTAGES

- 1.6 - 2.2 mm thick, cold applied
- Extremely flexible
- The cross lamination provides dimensional stability, high tear strength, puncture and impact resistance to the membrane
- Excellent resistance to aggressive soils and contaminated ground water
- Ease, fast application
- Good adhesion to primed concrete substrate

### APPROVALS/ CERTIFICATES

The manufacturing facility is certified with the ISO 9001:2015 QMS, GMP, ISO 14001 E M and ISO 45001 O H & S.



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### Technical Data

PROPERTIES	RESULTS	UNIT	TEST METHOD
Thickness	1.6 – 2.2	mm	ASTM D-5147
Length	10, 15 & 20	M.	ASTM D-5147
Width	1	M.	ASTM D-5147
Mass/unit area	1.85 – 2.35	Kg/m <sup>2</sup>	ASTM D-5147
Reinforcement : Polyester	120 – 160	g/m <sup>2</sup>	UEAtc M.O.A.T.30
Coating Asphalt : Type	SBS Modified		
Tensile Strength (L&T) @ 23 °C ± 2 : For Film	150/140	kg/cm <sup>2</sup>	ASTM D-638
Elongation (L&T) @ 23 °C ± 2 : For Film	220/185	%	ASTM D-638
Puncture Resistance	>260	N	ASTM E 154
Cold Flexibility	> -18	°C	ASTM D-5147
Water Absorption	0.14	%	ASTM D-5147
Peel of Strength To primed concrete To self	1.9 1.9	Mpa Mpa	ASTMD-1000 ASTM D-1000

### PACKING

BITUFIX-P produced in 10-20 meters, special lengths are available upon request. The rolls are vertical palletized and shrink wrapped. The rolls must be transported and kept in stock always in a vertical position.

### STORAGE

Shelf life is 12 months if stores in a cool dry store away from sources of heat. In the original unopened packaging.

# BITUFIX - P

Heavy duty cross laminated waterproofing membrane

## INSTRUCTIONS FOR USE

### SURFACE PREPARATION

Concrete should be clean, free of voids, honeycomb coarse aggregates, and any traces of curing compound to be removed. The concrete should be at least 8 days old.

### PRIMING

Coat the surface with Solvent Base Bitumen Primer and allow it to dry overnight. All surfaces must be re-primed if left for more than 24 hours prior to the application.



### APPLICATION

Remove the released film by peeling back not more than 30 cm's at a time. Start to unroll the membrane. It should be firmly pressed down using a rubber hand roller to ensure proper sealing, working from the center to the outer edges. This will drive out all trapped air. For subsequent rolls align the adjacent roll along the selvedge of the first roll. Re-roll the membrane. Peel back the release film from the second roll and place firmly. This should be done one meter at a time. The overlap joints should be 5 to 10 cm at the sides and 10 to 15 cm at the end. On vertical or inclined surfaces, the membrane shall be laid from the lowest level upwards. Applicant temperature range 5 -50°C. In cases below 15°C it is necessary to slightly warm the back of the membrane to have well and ease adhesion to substrate. In cold conditions the membrane should be stored at temperature above 20°C prior to application.

### STORAGE

Shelf life is 12 months if stores in a cool dry store away from sources of heat. In the original unopened packaging.

- 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.

# HEALTH, SAFETY AND ENVIRONMENT

All safety measures should be observed during application. Fire extinguishers should be available on site. Care should be taken with gas, and torches 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.

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(+965) 90019846 / 90019917 / 96600332 (Sales)

Email: info@bitugulf.net

#### Showroom

Shuwaikh Industrial, Block (A), Building (139),

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**Note:** The technical data provided reflects typical properties based on laboratory tests and practical experience, subject to UEAtc tolerance levels. While we cannot guarantee performance under all conditions, further details are available upon request, with a standard variation of up to 20%.



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