

## Description

Bituslim-F is a high performance APP modified bitumen waterproofing membranes, reinforced with a core of fiberglass to obtain excellent tensile strength suitable for a variety of applications among them; roofs, terraces, foundations, basements, swimming pools and others.

## Features

- Positive barrier to water and dampness
- Excellent resistance to aging and weathering
- Flexibility at low temperature
- Stability at high temperature
- High tensile strength and tear resistance
- Accommodates structural movements
- Excellent bonding ability
- Resistance to salt and water born chemicals

## Standards

Bituslim: Complies with requirement and tolerance levels of ASTM-D-6222 M-11 and ASTM-D-5147 11A



## General Data

- Roll Length: 20-M
- Roll Width- 1-M
- Roll Thickness: 2-MM

## Finishes

Black smooth finish with thin polyethylene films both surfaces for covered applications. Fine sanded upper surface for coated systems.

## Storage

Bituslim should be stored vertically in clean covered area. Rolls should be not be stacked.

## Technical Data

PROPERTIES	RESULTS	TEST METHOD
Roll Size	1 x 20 (mtr)	ASTM-D-5147
Thickness	1.9 to 2 (mm)	ASTM-D-6222 M-11
Mass per unit area	2.1 to 2.3 (kg/m <sup>2</sup> )	ASTM-D-6222 M-11
Reinforcement Fiberglass	60 (g/m <sup>2</sup> )	ASTM-D-5147
Coating Material	APP modified bitumen	As standard
Softening Point (R&B)	>120 °C	ASTM-D-36, UEAc
Penetration at 23 ± °C	15 to 25 (dm)	ASTM-D-5, UEAc
Tensile Strength (L & T) at 23 ± 2 °C	>300 and 200 (N/5cm)	ASTM-D-5147 M-11a
Elongation at break (L & T)	3 and 2.5 (%)	ASTM-D-5147 M-11a
Shear Resistance (L & T)	>150 and 100 (N)	ASTM-D-5147 M-11a
Tear Strength (L & T) at 21.7 °C	260 and 200 (N/5cm)	ASTM-D-4073-06
Overlap Joint Test	300 and 250 (N/5cm)	-
Puncture Resistance	>220 (N)	ASTM-E-154
Hydrostatic Pressure at 3-bar	No leakage	ASTM-D-5147
Water Absorption	0.5 (%)	ASTM-D-6222 M-11
Heat Resistance for 2-hours	No flow at 120 °C	ASTM-D-6222 M-11
Dimension Stability (L & T)	±0.5 (+)	ASTM-D-5147

## Application tools and Equipment

- Apply suitable bituminous primer on a clean smooth and dry surface with brush / roller or spray. (Refer to Bitugulf primer data sheet for more details.)
- Allow the primer to dry prior to the application of the membrane.
- Unroll and align before torching.
- Side overlaps should be 100-mm and end overlaps by 150-mm.
- Use gas burner to heat the thermos fusible film on embossed face of membranes start to disappears during torching the membrane is read to stick.
- When the film melts, roll forward and press firmly with a roller against the substrate to bond well.
- Use the round tipped trowel to smoothen and press the overlaps.
- The membranes should be protected from getting damaged due to site activities and back filling.

Torch applied APP modified bitumen waterproofing membrane, 2mm thick

## Quality Control

In additions to stringent regular tests by International Insulation Company's laboratory, our products are tested periodically by Independent Laboratories.

## 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

AutoCAD facility and dedicated assistance available.

## 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.



## 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](mailto: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](mailto:shwrm@knimco.com)

Website: [www.knimco.com](http://www.knimco.com)