



SOBIT

APP Modified Bitumen Membrane

Description:

SOBIT waterproofing membrane 4mm thickness is highly performing membrane.

SOBIT Membrane are manufactured from polymer modified bitumen waterproofing membrane of the highest quality.

SOBIT membrane is a modified thermoplastic blend of polypropylene polymers, distilled bitumen and stabilizers.

SOBIT is reinforced with non-woven polyester which provides high mechanical properties and dimensional stability.

Uses

SOBIT membrane are ideal for general use in single or multi-layer system. They are used on low slope concrete roofs, balconies and wet areas.

SOBIT with Mineral Slated Finish is recommended for exposed roofing system (Unprotected) for Non-accessible roofs or roofs subject to low traffic conditions.

Advantages

SOBIT has been designed with special regard to providing clients with an excellent and versatile product.

Advantages of **SOBIT** include:

- Easy to apply (by torch).
- Highly mechanical properties.
- Absolute impermeability to water.
- Excellent high temperature performance.
- Excellent adhesion on any surface.
- High dimensional stability.
- Environmentally friendly.

Product Range

Standard thickness available include 3mm, 4mm.

Upper surface finish choices include:

- Polyethylene Film (PE).

The nominal length of each roll is 10 meters and the nominal width is one meter. Special specifications can be designed based on client's needs.

Field of application:

Due to its excellent resistance and elongation, **SOBIT** is used for a wide range of waterproofing applications such as:

- Roofs (reinforced concrete)
- terraces, Kitchens, bathrooms etc.



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TECHNICAL DATA		UNIT	RESULT	TEST METHOD	الخواص الفنية	
Product		Roll				
Roll Length		m	10	EN 1848-1	الطول	
Roll Width		m	1	EN 1848-1	العرض	
Thickness		mm	4.0	EN 1849-1	السك لتشطيب السطح بولى ايثلين	
Cold Flexibility @ 0 to-5 °C		°C	No Cracking	EN 1109	المرونة عند درجات الحرارة المنخفضة	
Heat Resistance @ 120 °C		°C	No Flow	EN 1110	الثبات عند درجات الحرارة العالية	
Reinforcement		g/m ²	NON-WOVEN POLYESTER		التسليح	
			160			
Tensile Strength*	Long	N/5cm	650	EN 12311-1	طولياً	مقاومة الشد القصوى
	Wide	N/5cm	450		عرضياً	
Elongation at break**	Long	%	45	EN 12311-1	طولياً	الاستطالة القصوى
	Wide	%	45		عرضياً	
Tear Resistance***	Long	N	500	ASTM D-5147	طولياً	مقاومة التمزق طبقاً للمواصفات الأمريكية
	Wide	N	400		عرضياً	
Joint Tensile Strength*	Long	N	650	EN 12317-1	طولياً	مقاومة الشد عند أماكن الركوب
	Wide	N	450		عرضياً	

Note:

- * This value given are subject to 20% tolerance.
- ** This value given are subject to 15% tolerance.
- *** This value given are subject to 10% tolerance

STORAGE:

- **SOBIT** membranes should be stored vertically in well closed and ventilated place not subject to direct sunlight.

APPLICATION INSTRUCTIONS:

- SOBIT membranes are installed by propane torch welding method, loose laid or fully bonded to the substrate depending on system requirements.
- While unloading from truck the rolls shall by no means allowed to fall or be thrown down from the truck.
- To avoid applying the membrane to corners with 90 °C angle, sand cement can't strip 5x5 cm should be executed at horizontal - vertical intersections.
- Surface to be waterproofed should be clean, dry, free from dust and smooth, in case of irregular surface a sand cement screed is recommended.
- Before laying **SOBIT** membranes, surface should be primed with cold applied bituminous primer (BITUMODE Primer SB).
- Membrane is unrolled and placed in aligned position.
- Each roll should overlap the next by 10cm side laps and 15cm staggered end laps.
- Then, membrane should be re-rolled about half of its length without changing its orientation.
- Using a propane gas torch, the membrane is un-rolled again slowly while applying the flame to the entire exposed lower face (For fully bonded system) -until the plastic cover film burns off and the bituminous mass starts melting, thus creating a heat weld between the membrane and the substrate.
- Then, torching of the seams takes place by heating the contact line at side and end laps by torch from above, pressing the upper membrane on to the lower one using a trowel, the torch has to be carefully used avoiding to keep the flame on the same point for too long.
- For sloping roofs start laying the membrane from the lower edge with longitudinal direction of rolls perpendicular to slope direction, side lap of next roll to be placed above the first one, etc...

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