

Unreinforced Membrane

Unreinforced SBS Modified Bituminous Membrane

Product description

- Surface: Sand
- Reinforcement: N/A
- Compound: Max 20% SBS, 80% Bitumen
- Under face: HDPE burning foil
- ✓ 1000% elongation
- ✓ Self healing
- ✓ Mouldable in three directions (3D)

The product is unique in its kind because it has no reinforcement, so it automatically configures to the subsurface. Therefore, it is very suitable for making expansion joints, recesses and corners, such as pile-heads. The application is much less time-consuming than products which contain a carrier.

Product Uses

Using for foundations, basements, terraces, roofs, underground or multi storey car parks. Can easily be applied on the concrete substrate by torching the overlap or fully bonded. The composition of the product provides a durable adhesion, even on uneven ground.

Advantages

- ✓ 5 mm thickness
- ✓ 1000 % elongation with full recovery
- ✓ No reinforcement inside the membrane
- ✓ High penetration resistance
- ✓ Self-healing after puncturing
- ✓ anchoring and joining to concrete structures
- ✓ 3D mouldable, which makes detailing work (corners, piles etc.) safe and fast
- ✓ Easy application: once unrolled, the overlap can be immediately sealed by propane torch
- ✓ Takes any shape without need for cutting
- ✓ No fillers added to the compound
- ✓ One layer of 5 mm Flexobit is superior to two or more layers of reinforced membranes

Packaging

- Roll length: 6 m
- Quantity per pallet: 20 rolls



Technical Specifications

Test type	Standard	Test results
Length	6,0 m ± 5%	EN 1848-1
Width	6,0 m ± 5%	EN 1848-1
Thickness	5,0 ± 10%	EN 1849-1
Visible defects	No visible defects	EN 1850-1
Mass	5,2 ± 0,52 kg/m ²	EN 1849-1
Filler content	0%	
Water tightness	500 KPa ¹	EN 1928
Water tightness after ageing (12 weeks at 80°C)	500 KPa ¹	EN 1296 and EN 1928
Tensile properties		
Elongation at break (length and width direction)	1600 ± 150 %	ISO 37
Tensile strength (length and width direction)	1,2 ± 0,2 N/mm ²	ISO 37
Static loading	20 kg	EN 12730
Impact Resistance: Aluminium EPS 150/Aluminium EPS 150	500 mm 2000 mm	EN 12691
Low temperature flexibility	≥ -25 °C	EN 1109
Chemical resistance (seaside chemicals)	Resistant to chlorides, nitrates and sulphates	EN 1109
Reaction to fire	Class E-d2	EN 13501-1
Vapour Transmission	Moisture flow rate (g): 1,54 x 9-10 kg m ⁻² s ⁻¹ Moisture resistance factor(μ): 50400	EN 1931
Vapour Transmission after ageing	Moisture flow rate (g): 1,01 x 9-10 kg m ⁻² s ⁻¹ Moisture resistance factor(μ): 78800	EN 1296 and EN 1931
Peel resistance of joints	Does not Peel ²	EN 1-12316
Shear resistance of joints	Does not Shear ²	EN 1-12317

1. The water tightness is determined at the limited pressure of the test equipment. In practice the water tightness will be higher than 500 KPa

2. The indication does not peel or shear relates to the fact that the samples have been tested until the maximum capacity of the testing equipment without peeling and shearing phenomena. This is a result of the lack of a reinforcement and the homogeneity of the compound and joint.

Method of Use

Application Method

The product rolling is carried out to have the foil in contact with the concrete when directly unrolled (foil face exterior of the roll). The overlaps are welded with propane gas torch/dry heat air and roll pressed. For tanking application, the longitudinal overlaps are 100mm edge and the end overlaps are 150mm edge. No additional cover strip is necessary. Optionally the membrane can be applied fully bonded. For instance on difficult details and vertical walls.

Surface Preparation

Ensure the substrates are clean and dry. Smooth and free of Flexobit non-reinforced membrane SBS Bitumen matter and conditions detrimental to bond and performance of the membrane. For good adhesion to (vertical) substrates, use waterbased bituminous primer.

Application Temperature

Temperature: -5°C to +40°C. The membrane must be clean and dry.

Storage Conditions

The rolls should be protected against moisture and exposure to sunlight and be stored in horizontal position. The rolls shouldn't be stored near a source of heat.

For Safety detailed instructions please refer to Pazkar's safety sheets (MSDS)

Warranty

Pazkar's products are manufactured to rigid standards of quality. Pazkar makes no representations or warranties with respect to the accuracy or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. Users must always refer to the most recent issue of the local product data publication for the product concerned. The user of the product must test the products suitability for the intended application and purpose. Due to differences in materials, substrates and site conditions Pazkar assumes no liability whatsoever, and disclaims any express or implied warranty, relating to its products including but not limited to, the implied warranty of merchantability, fitness for a particular purpose, nor any liability arising from any legal relationship. Subject to our terms and conditions, Pazkar grants a product warranty certificate for specific products, for any further information please contact us at infopazkar@pazkar.co.il. All orders are accepted subject to our current inventory, terms and conditions of sale and delivery.