



TECHNICAL DATA SHEET OF THE PRODUCT:

WB MEMBRANE - Sealing membrane for terraces, balconies, and swimming pools.

I. APPLICATION:

For waterproofing:

- balconies and terraces,
- swimming pools,
- bathrooms, shower cabins, and saunas

II. PROPERTIES:

WB Membrane is a highly flexible sealing mat with a remarkable elasticity consisting of two layers of polypropylene non-woven fabric with a layer of elastomer between them. Said arrangement of layers allows for durable sealing that remains unaffected even at low temperatures. It is also highly useful thanks to its remarkable flexibility. The WB membrane is characterized by a hydrostatic pressure load capacity of 0.5 MPa, its resistance to temperatures ranges from -30 to 90 °C, as well as has high tensile strength of 13 MPa.

- highly flexible,
- permanently waterproof and sealing,
- resistant to fatigue,
- reduces stresses and bridges cracks,
- alkali-resistant and chemical-resistant,
- strengthens the surface and improves its tightness in places characterized by high water pressure.



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ul. Trakt Lubelski 316, 04-667 Warszawa

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III. TECHNICAL DATA:

Material base	A layer of thermoplastic elastomer coated on both sides with polyester non-woven fabric
Color	Grey
Thickness	0,5 mm
Surface weight of the coated part	440 g/m ²
Tensile strength of the coated part: - transverse, - longitudinal	≥ 2,0 MPa ≥ 13,7 MPa
Breaking stress (across the coated part)	≥ 5,0 MPa
Relative elongation: - at maximum tensile stress across the coated part - when torn across the coated part	≥ 130 % ≥ 150 %
Force during extension:	
- 25 %	≥ 5,5 N
- 50 %	≥ 8,0 N
- 75 %	≥ 10,0 N
Waterproof - no leakage for a specific pressure	≥ 0,5 MPa
Fatigue resistance (tested in a system with a polymer-cement waterproofing coating to be used on balconies and terraces)	No cracks in the area of the test crack



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IV. SURFACE PREPARATION:

The surface must be dry and smooth (it is recommended to level out any unevenness spotted with the WB Flex Glue), stable, as well as primed with WB Primer.

V. INSTALLATION METHOD:

The WB Membrane is attached to the substrate with WB Duo Flex material, which, after its preparation for use, should be spread with a brush or a trowel on the section of approximately 1 m in front of the membrane roll. Then, the roll has to be unrolled onto the applied adhesive mass (Figure 1). Remove the excess of the WB Duo Flex mass from under the WB Membrane with a trowel or a pressure roller by moving the tools towards the joints (Figure 2). When laying the membrane, remember about the overlap of approximately 10 cm. After installing the WB Membrane, stretch the entire surface with WB 2K insulating mass, which will fill all the joints, creating a uniform and tight insulating coating (Photo 3).



Fot.1



Fot.2



Fot.3



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Updated on: 12/09/2018



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