



Pre-B 5M

Pre-applied fully adhered Bitumen-based membrane for below grade applications

Product description

A polymer modified bituminous membrane with special and high-quality polymers with a unique reinforcement greenish-gray (turquoise) aggregate top finish, which has a particularly high adhesion to freshly poured concrete.

Product Uses

- ✓ Pre-applied fully adhered Bitumen-based membrane for below grade applications.
- ✓ Suitable for Blindside waterproofing.
- ✓ May be applied in areas that feature groundwater.

Packaging

20 Rolls / Pallet



Advantages

- ✓ Very high adhesion to freshly poured concrete on the membrane.
- ✓ The membrane is applied by adhering it to adjacent sheets (in the overlap areas).
- ✓ Can be applied on lean concrete or compacted substrate.
- ✓ Formwork can be removed 24 hours after the concrete is poured.
- ✓ Blocks radon gas penetration.
- ✓ Flexibility in cold temperatures and high heat resistance.
- ✓ High resistance to water pressure.
- ✓ Complies with building regulations for waterproofing underground spaces.
- ✓ UV resistant for several days, allowing time for arranging rebar and other preparations for concrete pouring.

Technical Specifications

Description	Property	Standard
Membrane Classification	PRE-B 5M	-
Nominal Thickness	5.2 (mm)	IS 1430/3
Membrane Weight	6.0 (kg/m ²)	-
Upper Surface	greenish-gray (turquoise) aggregate	-
Roll Length	7.5 (m)	IS 1430/3
Roll Width	1.0 (m)	IS 1430/3
Tensile Strength	800/800 (LD/TD, N/5cm)	IS 1430/3
Elongation at Break	40/40 %	IS 1430/3
Cold Flexibility	< -25 °C	IS 1430/3
Heat Stability	115 °C	IS 1430/3
Water Pressure Stability	> 7 atm	DIN 52123
Puncture Resistance	> 1,200 N	ASTM E154
Adhesion to Concrete	3 N/mm	ASTM C794
Overlaps Adhesion Strength	3 N/mm	ASTM D1876-01
Lateral water migration test – 7 atm	Resists	ASTM D5385 modified

Method of Use

Preparing the area

Horizontal

Substrate must be dry, clean and free of loose aggregate. Avoid curved or rounded substrates (for both compacted substrate and light concrete substrate).

Vertical

Use concrete, plywood, insulation or other approved facing to provide support to the membrane. Make sure that the substrate is dry, clean and free of loose aggregate. It is recommended to apply bituminous fillet, type: Paz Rolka, supplied by Pazkar at the connection points of horizontal & vertical surfaces to achieve a reliable waterproofing layer after concrete pour.

Method of use - continued

Method of application

Remove the protective film (nylon) in the overlap areas and adhere the membranes to each other in a similar manner as is customary with bituminous membranes on roofs. Lightly weld the overlap areas at pipe penetrations (or other elements) and elevation areas. When applying with formwork: it is recommended to design the formwork 10 cm above the casting height and anchor the membrane with nails or screws on an aluminum strip to the formwork. This will save the need for a patch at the top part of the membrane adhered to the concrete. The membranes should be applied at an ambient temperature above 5°C. Before pouring the concrete on the membrane, it must be washed and cleaned. The concrete required for pouring on the membrane should have a high cement content (at least 300 kg), and the concrete should be applied with high quality control to prevent segregation.

Finish on walls and vertical elements: Heat the top edge of the membrane and up to 10 cm below the top edge around the entire perimeter of the vertical element to melt the polyethylene sheet backing of the Pre-B 5M. After that, apply the planned bituminous emulsion (Elastopaz, Rapidflex, etc.) with overlap on the Pre-B 5M membrane up to 10 cm below the edge of the membrane. If such a planned bituminous emulsion is not available, apply Pazkarol 18 or Flexpaz (Flexpaz V or Multi-Purpose) in a 10 cm wide layer, with 5 cm applied on the vertical element and 5 cm on the back of the Pre-B 5M membrane.

Remarks

- ✓ In cases where the building is intended for waterproofing in environments with permanently standing water (e.g., groundwater), only light welding of the overlap areas should be performed. Similarly, during the winter, when temperatures are low, light welding should be done.
- ✓ For vertical application, do not install the membrane above the formwork without anchoring with nails or screws. Ensure that the membrane is anchored as described in "Application Instructions" to create good adhesion of the concrete to the membrane.
- ✓ Standard concrete must be poured against the membrane (as per Israeli Standard 118 and described in the "Application Instructions"). Low-quality concrete cannot ensure good adhesion of the membrane to the poured concrete. Shotcrete should not be applied on the membrane.
- ✓ Store in a shaded, dry, and ventilated area at temperatures above 5°C. Store the rolls in a vertical position only, even during work.
- ✓ Do not place or store a pallet on top of another pallet.
- ✓ Do not drop the rolls; place them carefully.
- ✓ The application of the system is conditional upon the certification of the executing contractor by the manufacturer, as well as the presence and supervision of the manufacturer's representative at the construction site.

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.