Radon Tight

Catalog Number: Y78203

PRE-B 3mm

Elastomeric bituminous memrane with capacity for adhesion to the freshly poured concrete

Product description

A polymer modified bituminous membrance with special and high-quality polymers with a unique reinforcement and an aggregate top finish, which has a particularly high adhesion to freshly poured concrete.

Product Uses

Sealing of underground structures, for horizontal, vertical and gradient surfaces.
An adequate solution for buildings where the use of a conventional waterproofing system causes the memranes to detach in sinking clay soils.

Packaging

28 Rolls / Pallet



Advantages

- ✓ Extremely high capacity for adhesion to the freshly poured concrete on the memrane.
- ✓ The memrane is applied by gluing to the memranes adjacent to it (in the overlapping strips).
- ✓ Can be applied to thin concrete or compacted substrate.
- ✓ Molds can be disassembled 24 hours after the completion of the concrete casting.
- ✓ Elasticity in cold temperatures and high resistance to heat.
- ✓ UV resistant for several days so that there is time for laying down the iron and other preparations for pouring the concrete.

Technical Specifications

Description	Property	Standard
Thickness, mm	3	IS 1430/3
Weight of the memrane (Kg/m^2)	3.4	-
Top coat	Blue aggregate	-
Roll length, m	10	IS 1430/3
Roll width, m	1.0	IS 1430/3
Length/width strength (newtons/5 cm)	600/800	IS 1430/3
Extension length / width, %	35/35	IS 1430/3
Heat resistance	110°C	IS 1430/3
Elasticity in cold temperature	< -20°C	IS 1430/3
Adhesion to cast concrete (N/mm^2)	> 3	ASTM C794
Adhesion to cast concrete after 7 days water immersion (N/mm^2)	> 3	ASTM C794

Method of Use

Preparing the area

The horizontal surfaces should be clean, dry, smooth, and straight, whether it is a surface of pressed substrate or a thin concrete layer.

The vertical surfaces should be clean, dry, smooth and straight, whether the infrastructure used for waterproofing is made of industrial molds, wooden molds, or a concrete wall.

It is recommended to use PAZ ROLKA industrialized bituminous rolls marketed by Pazkar at every junction between different surfaces in order to facilitate the deployment of the memranes in those areas and the quality of the result obtained after pouring the concrete on top of the memranes.

Method of application

Remove the protective strip (the nylon) in the overlapping areas and attach the memranes towards each other in a similar manner as is customary for laying bituminous memranes on roofs. In the areas of penetration of pipes (or other elements) and in the elevated areas (concrete blocks), the overlapping seams should be welded lightly. When the application is done using molds: it is recommended to design the molds 10 cm higher than the height of the casting and anchor the memrane to the mold with nails or screws through an aluminum bar. This will prevent the need to make a patch in the upper part of the memrane glued to the concrete. Memranes should be applied when the ambient temperature is higher than 5°c.

Method of use - continued

Method of application

The surface of the memrane must be washed and cleaned before pouring the concrete. The concrete required for pouring on top of the memrane is concrete with a high portion of cement (at least 300 kg) and a high portion of decks. The application of the concrete should be under high quality control so that no segregations are created. It is recommended to apply self-compacting concrete.

Finishing on walls and vertical elements: the upper edge of the memrane must be heated up to 10 cm below the upper edge on the entire perimeter of the vertical element in order to melt the polyethylene memrane on the back of the Pre-B. After that, apply the planned bituminous emulsion (ELASTOPAZ, RAPIDFLEX etc.) overlapping on top of the Pre-B memrane up to 10 cm below the edge of the memrane, If there is no such planned bituminous emulsion, apply PAZKAROL 18 or FLEXPAZ (FLEXPAZ V or Multipurpose) in a layer 10 cm wide, when 5 cm must be applied on the vertical element, and 5 cm on the back of the Pre-B memrane.

Remarks

- ✓ When water is expected to stay permanently in the vicinity of the structure intended for sealing (for example groundwater), light welding should be done only in the areas of the seams. Similarly, during the winter, when the temperatures are low, light welding should be done.
- ✓ In vertical application, do not install a memrane at an excess height above the mold without securing it with screws or nails. Make sure that the memrane is secured as mentioned above in the "Method of Application" on top of the template so that there is good adhesion of the concrete to the memrane.
- ✓ Standard concrete (according to Israeli Standard 118) must be poured against the memrane and as described above in the "Method of Application". Low quality concrete will not be able to ensure good adhesion of the memrane to the poured concrete. Do not apply Shotcrete on top of the memrane.
- ✓ Store in a shaded, dry, ventilated place in temperature over 5°C.
- ✓ Rolls should be stored only in a vertical position, including during work.
- ✓ Do not store a pallet on a pallet.
- ✓ Do not throw the rolls but place them carefully.
- ✓ The implementation of the system is conditional upon the certification of the performing contractor by the manufacturer as well as the presence and accompaniment of the manufacturer›s representative at the execution 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 product›s 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.

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