

PRE-B 3mm

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

Product description

A polymer modified bituminous membrane 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 membranes to detach in sinking clay soils.

Packaging

28 Rolls / Pallet



Advantages

- ✓ Extremely high capacity for adhesion to the freshly poured concrete on the membrane.
- ✓ The membrane is applied by gluing to the membranes 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 membrane (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	90°C	IS 1430/3
Elasticity in cold temperature	< -20°C	IS 1430/3

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 membranes in those areas and the quality of the result obtained after pouring the concrete on top of the membranes.

Method of application

Remove the protective strip (the nylon) in the overlapping areas and attach the membranes towards each other in a similar manner as is customary for laying bituminous membranes 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 membrane 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 membrane glued to the concrete. Membranes should be applied when the ambient temperature is higher than 5°C.

Method of use - continued

Method of application

The surface of the membrane must be washed and cleaned before pouring the concrete. The concrete required for pouring on top of the membrane 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 membrane 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 membrane on the back of the Pre-B. After that, apply the planned bituminous emulsion (ELASTOPAZ, RAPIDFLEX etc.) overlapping on top of the Pre-B membrane up to 10 cm below the edge of the membrane, If there is no such planned bituminous emulsion, apply PAZKAROL 18 or FLEXPAS (FLEXPAS 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 membrane.

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 membrane at an excess height above the mold without securing it with screws or nails. Make sure that the membrane 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 membrane.
- ✓ Standard concrete (according to Israeli Standard 118) must be poured against the membrane and as described above in the "Method of Application". Low quality concrete will not be able to ensure good adhesion of the membrane to the poured concrete. Do not apply Shotcrete on top of the membrane.
- ✓ 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 data sheets (MSDS)

Warranty

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