

Polypaz SP 3/250

Bituminous membrane for infrastructures designed for reinforcing road pavements and self-adhesive sealing. Also used as a geomembrane.

Product description

Elastomeric bituminous waterproofing self-adhesive membrane (SBS) reinforced with high strength polyester and a sand-coated top surface. The bottom part of the membrane and the overlapping strip is attached with a thin film that should be removed during application.

Packaging

28 Palletted rolls



Product Uses

- ✓ Delaying the reflection of cracks in the asphalt layer of roads.
- ✓ Preventing water penetration into the subsoil of roads in expansive soils (geomembrane).
- ✓ A membrane designated for the CARMEL system for waterproofing concrete bridge pavements
- ✓ Suitable for application on hot elastomeric bitumen asphalt and concrete.
- ✓ Fortifying membrane designed to delay the reflection of cracks in the asphalt layer of renewed roads (scarification and stratification).
- ✓ Reinforcement of asphalt pavements in order to delay cracks in the pavement surface.
- ✓ Suitable for waterproofing upper and underground parking lots designated for stratification in the top asphalt layer (minimum thickness 4 cm).
- ✓ Compatible with the requirements of European Standard EN14695 (bituminous membranes for waterproofing bridges).
- ✓ Complies with the requirements of NTI (Israel Roads) specifications (table 51.07.02.04) and the general specifications (table 02/51.08).

Advantages

- ✓ Self-adhesive membranes with no need for membranes welding*.
- ✓ Used as a dual solution - waterproofing membrane and reinforcement for delaying cracks in asphalt layers.
- ✓ Perfect adhesion to the surface.

* Under reasonable climate and infrastructure conditions over rigid substrate such as concrete.

Technical Specifications

Testing techniques	Test results	Test type
Thickness (mm)	3.0 ± 0.3	
Reinforcement	Especially strong polyester fabric	
Roll length, m		
Roll width, m		
Longitudinal tensile strength, Newton / 5 cm	10	
Lateral tensile strength, Newton / 5 cm	1	
Elongation length %	> 700	IS 1430/3
Elongation width %	> 700	IS 1430/3
Heat resistance, °C	> 35	IS 1430/3
Heat resistance, °C	> 35	IS 1430/3
Elasticity in cold temperatures, °C	> 110	IS 1430/3
Water pressure resistance 2 atm.	-20 >	IS 1430/3

Method of Use

Preparing the area

- ✓ Make sure the surface for waterproofing is clean and free of loose parts, dust, casting shells, cement crumbs, oil and any foreign substance that may impact the adhesion.
- ✓ If the use of compound curing is required, use a product compatible with PAZKAR's approved waterproofing products.
- ✓ Over concrete infrastructure, apply a primer foundation layer type GS474 in a quantity suitable for the treated surface type and in accordance with the instructions specified in the product data sheets of the aforementioned materials.
- ✓ If there is concern of the appearance of bubbles (blisters) in porous infrastructures such as concrete or soil, apply XL100 type epoxy primer.
- ✓ Wait for the primer to fully dry before applying the membrane.
- ✓ In asphalt infrastructures, an EMOLBIT type foundation coating may be applied Ms10 (by Pazkar) where needed.

Method of Use - continued

Method of application

- ✓ Membranes may be applied when the ambient temperature is higher than 5°C and temperature increase is anticipated according to formal forecasts.
- ✓ On new and hard surfaces such as concrete, which surface was properly prepared as described above and in accordance with the relevant standards, there is no need to weld the membrane at all; instead, remove the bottom polyethylene (Nylon) membrane as well as the polyethylene membranes along the overlapping strips and adhere the first membrane to the infrastructure.
- ✓ The adjacent second membrane should be attached to the infrastructure similar to the first membrane, while fully bonded over the overlapping area in the first membrane.
- ✓ Over expansive clay soils, use a gas torch to weld the overlapping strips area in addition to adhering the bottom of the membrane. Over existing roads under rehabilitation or maintenance, weld the entire membrane bottom surface.
- ✓ Spread, align and place the membranes with precision before peeling off the bottom polyethylene layer.
- ✓ The polyethylene back should be peeled before the membrane is adhered to the surface.
- ✓ Membranes will be applied using the CARMEL system for waterproofing concrete bridge pavements in accordance with PAZKAR's special specifications.

Remarks

- ✓ Store in a shaded, dry, ventilated place in temperature over 5°C.
- ✓ Rolls should be stored only in a vertical position.
- ✓ Do not store a pallet over a pallet.

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

Warranty

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