PLONMAR

Vapor permeable EPDM membrane

A single-layer elastomer membrane (optionally with butyl layer) for use as a damp proof insulation for building façades. It prevents the penetration of moisture from the outside into the facade structures, as well to remove water vapor from the building walls to prevent condensation.

The membrane is mounted outside the building to seal the connections between the façade substructure and the wall, between the window frame and the building wall, for façade panels for the subconstruction between discontinuous systems of traditional insulation covers, as well as modern ventilated façade systems to prevent rainwater from penetrating the façade , water migration from façade cladding connections and preventing moisture from entering the wall structure and directing it outside the building.

Installation instructions:

- The membrane should be installed at temperatures above -5 ° C
- The surface must be clean, dry, free from dust and other contaminants
- The EPDM membrane should be mechanically or glue mounted on the structure, aluminum, steel or wooden substructure (staples).
- Adhesive mounting to the building wall; it can be reinforced with mechanical pins through an aluminum strip.
- Performing moisture protection with an EPDM vapor permeable membrane should be carried out according to a technical design prepared in accordance with applicable building regulations.

Technical data

Property	Unit	Value
Thickness	mm	0,750 (±5%)
Waterproof	60 kPa method B	Pass
Resistance to static loads	kg	≥ 20
Impact resistance	mm methodB	≥ 2000
Low temperature bending resistance	°C	≤ - 30
Resistance to asphalt (resistance determined by water resistance)	40 kPa	pass
Durability - watertight after artificial aging - in an alkaline environment	2 kPa method	pass
Tear resistance (nail) - along - across	 N N	 ≥160 ≥180

Water vapor resistance: a) Density of the steam stream b) Water vapor diffusion resistance c) Diffusion resistance coefficient d) Sd value	 g[kg/(m^2s)] (m^2s Pa)/kg μ S_d[m]	 2,54 x 10^{-8} 8,33 x 10^{+10} 17992,4 16,195
Reaction to fire	class	E
Dangerous substances	-	none

The product has been tested in accordance with PN-EN 14909: 2012.

The EPDM vapor-permeable membrane should be stored in the original packaging. The product is made of EPDM elastomer, its shelf life before assembly is unlimited.