

# TECHNICAL SHEET

## IZOSELF PE plus

**Self-adhesive waterproofing membrane with glass fleece and cross-laminated HDPE film and elastomere modified bitumen**

**Product description** IZOSELF PE plus is self-adhesive waterproofing membrane made from a glass fleece and cross-laminated HDPE foil reinforcement, on both sides coated with elastomer modified bitumen. The membrane is on one side protected with easily removable siliconized foil, on the other with HDPE foil.

**Characteristics of the product** IZOSELF PE plus meets the demands of the standard EN 13969 type A. With elastomer modified bituminous mass gives flexibility at low temperatures and good adhesion on the surface, enabling a quick and clean installation. HDPE film gives the product an additional resistance to mechanical stress and good vapor barrier.

Characteristic	EN Method	Unit	Value
Reinforcement	glass fleece + HDPE foil		
Surface protection	HDPE foil / siliconized paper		
Length	1848-1	m	≥20
Width	1848-1	m	≥1
Thickness	1848-1	mm	≥1,2
Straightness	1848-1	20mm/10	pass
Water tightness	1928/A	kPa	≥ 10
Durability of water tightness against artificial ageing (12 weeks at 70°C)	1296/1928/A	kPa	≥ 2
Low temperature flexibility	1109	°C	≤ -30
Resistance to tearing <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12310-1	N	≥ 200 ≥ 200
Shear resistance of joints <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12317-1	N/50 mm	≥ 300 ≥ 300
Water vapor transmission properties	1931	μ	1300000 ±20000
Water vapor transmission properties Sd	1931	m	150 ±20
Durability of water vapor resistance against artificial ageing	1296/1931	change	≤ 50%
Reaction to fire	13501-1	Class	E
Impact resistance	12691/A	mm	≥ 200
Resistance to static loading	12730/B	kg	≥ 10
Chemical resistance	1847/13969 Annex A	-	pass
Tensile strength <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12311-1	N/50mm	≥ 300 ≥ 300
Elongation (at break**) <ul style="list-style-type: none"> <li>• longitudinal</li> <li>• transversal</li> </ul>	12311-1	%/50mm	≥ 3,0 (>200**) <ul style="list-style-type: none"> <li>≥ 3,0 (&gt;200**)</li> </ul>
Content of dangerous substances	Annex ZA	/	no

## Use and installation

**IZOSELF PE plus** is used to perform the waterproofing parts of buildings against humidity. Due to the strong reinforcement of PE foil is also suitable as vapor barrier. It is used in places where performance is difficult because of limited space waterproofing and which should not be used as a way to install with open fire. Not to be used in places where water is present under pressure. The product can be installed in such a way that removes the protective film and while pressure at the base. Prior to preparing the ground with coating **PRIMER S** is recommended (except in cases of heat-insulation and other related bases). Joints are sealed so that they are additionally mechanically pressed with a rubber roller. At temperatures lower than + 15°C it is necessary to use hot air accessories.

## Storage

The product must be stored in the original and unopened packaging in a dry and well-ventilated place at a temperature between + 5 °C and + 40 °C. Storage above 50 °C may lead to difficulties in removing the release foil when applying. It is recommended to use the product within 12 months from production date.

## Disposal considerations of waste

For the removal of waste of product, it is necessary to follow the valid local environmental regulations. Waste classification: 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.



The product is in conformity with **EN 13969:2004 and EN 13969:2004/A1:2006 Type A.**

The system of quality and handling of the environment is conforming with EN ISO 9001 and EN ISO 14001.