



IZOSELF PE plus

Self-adhesive waterproofing membrane with glass fleece and reinforced PE foil carrier and with elastomer modified bitumen

Product description

IZOSELF PE plus is a self-adhesive waterproofing membrane made from a glass fleece and reinforced PE foil carrier, on both sides coated with elastomere modified bitumen. The membrane is on one side protected with easily removable siliconized foil, on the other with polymeric sheeting.

Characteristics of the product

IZOSELF PE plus meets the demands of the standards SIST EN 13969 type A and SIST EN 13970. The high quality with SBS modified bituminous mass gives flexibility at low temperatures and extraordinary adhesion on the surface, especially on all thermal insulation materials, enabling a quick and clean installation. Reinforced PE film gives the product an additional resistance to mechanical stress and good vapor barrier.

Characteristic	EN Method	Unit	Declaration SIST EN 13969, SIST EN 13970
Reinforcement		glass fleece + polyethylene foil	
Surface protection		reinforcement polymeric sheeting / polymeric sheeting	
Length	1848-1	m	≥20
Width	1848-1	m	≥1
Thickness	1848-1	mm	≥1,2
Straightness	1848-1	20mm/10m	pass
Water tightness	1928	kPa	≥10
Durability of water tightness against artificial ageing (12 weeks at 70°C)	1296/1928	kPa	≥2
Impact resistance	12691/A	mm	≥ 200
Low temperature flexibility	1109	°C	≤ -30
Resistance to tearing			
• longitudinal	12310-1	N	≥ 200
• transversal			≥ 200
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥ 400
• transversal			≥ 300
Water vapor transmission properties	1931	μ	≥ 100 000
Water vapor transmission properties	1931	m	≥ 150
Durability of water vapour resistance against artificial ageing	1296/1931	change	≤ 50%
Reaction to fire	13501-1	Class	E
Resistance to static loading	12730/B	kg	≥ 10
Chemical resistance	1847/13969 Annex A	-	pass
Tensile strength			
• longitudinal	12311-1	N/50mm	≥ 400
• transversal			≥ 300
Elongation (at break*)			
• longitudinal	12311-1	%/50mm	≥ 3,0 (≥200*)
• transversal			≥ 3,0 (≥200*)
Content of dangerous substances	Annex ZA	/	no

Use and installation

IZOSELF PE plus is used regarding the demands of the SIST EN standards to perform the waterproofing parts of buildings against humidity. Due to the strong reinforcement of PE foil is also suitable as steam in the prison systems of straight and slanted roofs, walls and other structural assemblies. 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 (to protect wooden structures from humidify, sealing gaps in the installation of doors and windows, installation of belts on the installation of insulation board core, making the different details of waterproofing, etc.). 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 IBITOL is recommended (except in cases of heat-insulation and other related bases). Self-adhesive property is activated after a prolonged impact of higher pressures above layers. When is expected and required immediate self-adhesive property as examples of vertical surfaces or other surfaces which do not appear higher temperatures, the installation of product used to increase the adhesiveness with hot air. This procedure is recommended in all overlapping cases of applications.

Storage

The rolls have to be stored in an upright position, protected against dampness and extreme temperatures. In winter it is recommended to store the rolls before installation for 24 hours at a temperature of over + 5°C.

Disposal considerations of waste

For the removal of waste of product it is necessary to follow the valid local environmental regulations.

The product is in conformity with **SIST EN 13970:2005 and SIST EN 13970:2005/A1:2007, SIST EN 13969:2005 and SIST EN 13969:2005/A1:2007 type A and SIST 1031:2011.**

Number EC certificate of control of quality: **1404 – CPD – 1059.**



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

Producer

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