

TECHNICAL SHEET

IZOSELF AL plus

self-adhesive waterproofing membrane with a glass fleece

reinforcement, coated with elastomer modified bitumen and clad with Al foil

Product description IZOSELF AL plus is a self-adhesive bitumen waterproofing membrane made from a reinforcement of glass fleece, on both sides coated with elastomer modified bitumen. The membrane is on the upper side clad with thin Al-foil, on the bottom protected with an easily removable siliconized foil.

Characteristics of the product IZOSELF AL plus meets the demands of standards EN 13970 and EN 13969 type A. The modified bituminous mass gives flexibility at low temperatures and extraordinary adhesion on the surface, especially on all thermal insulation materials, enabling quick and clean installation. The coated Al-foil gives the necessary vapor impermeability to the product.

Characteristic	EN Method	Unit	Value
Reinforcement	glass fleece + aluminium foil		
Surface protection	aluminium foil / siliconized foil		
Length	1848-1	m	≥ 20
Width	1848-1	m	≥ 1
Thickness	1849-1	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	≥ 10
Resistance to impact	12691/A	mm	≥ 500
Resistance to static loading	12730/B	kg	≥ 5
Flexibility at low temperature	1109	°C	≤ -30
Resistance to tearing <ul style="list-style-type: none"> longitudinal transversal 	12310-1	N	≥ 90 ≥ 90
Shear resistance of joints <ul style="list-style-type: none"> longitudinal transversal 	12317-1	N/50 mm	≥ 400 ≥ 300
Water vapor transmission properties	1931	μ	1,5*10 ⁶ ±10%
Water vapour transmission properties Sd	1931	m	1700±200
Durability of water vapour resistance against artificial ageing	1296/1931	change	< 50%
Reaction to fire	13501-1	Class	E
Chemical resistance	1847/13969 Annex A	-	pass
Tensile properties <ul style="list-style-type: none"> longitudinal transversal 	12311-1	N/50mm	≥ 450 ≥ 300
Elongation <ul style="list-style-type: none"> longitudinal transversal 	12311-1	%/50mm	≥ 3,0 ≥ 3,0
Content of dangerous substances	Annex ZA	/	no

Use and installation

IZOSELF AL plus is used as vapor barrier in systems of flat roof, tin profiled roofing. It can also be used for the protection of underground parts of objects, especially as protection against radon. Prior preparing of the ground with pre-coating is not necessary. The product can be installed in such a way that removes the protective film and while pressure at the base. Joints are sealed so that they are additionally mechanically pressed with a rubber roller. At temperatures lower than + 10°C it is necessary to use hot air accessories. At high temperatures in the summer months, it is difficult to remove the siliconized film during installation, so let's avoid installation in such conditions.

Storage and transport

The rolls must 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. The carrier is responsible for the correct transport. 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 and EN 13970:2004 and EN 13970:2004/A1:2006.**

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