

IZOSELF REFLEX P4 - black

Self adhesive waterproofing membrane with a polyester carrier and with elastomere modified bitumen

Product description

IZOSELF REFLEX P4 - black is a self-adhesive waterproofing membrane made from a polyester reinforcement, on both sides coated with elastomere modified bitumen. The membrane is on one side protected with easily removable siliconized foil, on the other by mineral granules.

Characteristics of the product

IZOSELF REFLEX P4 - black meets the demands of the standard SIST EN 13707. The high quality with elastomere modified bituminous mass gives flexibility at low temperatures and extraordinary adhesion on the surface, enabling a quick and clean installation. The polyester reinforcement gives high elasticity and resistance to static and dynamic strains. Because of its excellent flexibility at low temperatures it shows excellent characteristics at installation and deformations, and excellently bridges cracks also at low temperatures. The mechanical characteristics of the reinforcement give the product high resistance against penetration and tearing, mineral granules protect it against UV-light and ageing.

Characteristic	EN Method	Unit	Declaration EN 13707
Reinforcement		Polyester fleece	
Surface protection		mineral granules/ polymeric sheeting	
Length	1848-1	m	≥ 10
Width	1848-1	m	≥ 1
Straightness	1848-1	20mm/10m	pass
Thickness	1849-1	mm	≥ 3,8
Water tightness	1928	kPa	≥ 100
Flexibility at low temperature			
Surface	1109	°C	≤ -20
Bottom			≤ -20
Flow resistance at elevated temperature	1110	°C	≥ 80
Resistance to tearing			
• longitudinal	12310-1	N	NPD
• transversal			
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	NPD
• transversal			
Dimensional stability			
• longitudinal	1107-1	%	≤ 0,6
• transversal			≤ 0,6
Water vapor properties (μ)	1931	μ	20000
External fire performance	13501-5	Class	F _{ROOF} (t1)
Reaction to fire	13501-1	Class	E
Chemical resistance	1847/13707 Annex C	-	pass
Resistance to static loading	12730/A	kg	NPD
Resistance to impact	12691	mm	NPD
Tensile properties			
• longitudinal	12311-1	N/50mm	≥ 600
• transversal			≥ 550
Elongation			
• longitudinal	12311-1	%/50mm	≥ 35,0
• transversal			≥ 35,0
Flexibility at low temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 ° C)	1296/1109	°C	≤ -10
Flow resistance at elevated temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 ° C)	1296/1110	°C	≥ 70
Adhesion of granules	12039	%	≤ 30
Content of dangerous substances	Annex ZA	/	no

Use and installation

IZOSELF REFLEX P4 - black is used most of all in the system of one layer for secondary building purposes (garages, garden houses, etc.). The product is applied with cold bonding, because it has self-adhesive surface, but also need to be mechanical fastening to the surface in overlaps (distance between nails 200 mm to 300 mm). It can be installed in such a way that removes the protective film and while pressure with roller at the base. Prior to preparing the ground with coating IBITOL is recommended. If the temperature of air at installation less than 15°C you need to use hot air to increase the adhesiveness. This procedure is recommended in all cases of applications. Overlapping: machine direction with a 12 cm, cross direction with a 15cm. Thickness of wooden plates: min. 24 mm.

**Storage
Disposal considerations
of waste**

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. 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 13707:2005+A2:2009** .
Number EC certificate of control of quality: **1404 – CPD – 1059**.