



IZOELAST REFLEX P4

Waterproofing membrane with a polyester carrier and with elastomer modified bitumen

Product description

IZOELAST REFLEX P4 is a waterproofing membrane made from a polyester reinforcement that is coated on both sides with elastomere modified bitumen. The membrane is on the upper side protected by mineral granules and on the bottom side by polymeric sheeting.

Characteristics of the product

IZOELAST REFLEX P4 meets the demands of the standard EN 13707. 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 13707:2004+A2:2009
Reinforcement		Polyester fleece	
Surface protection		mineral granules/ polymeric sheeting	
Length	1848-1	m	≥7,5
Width	1848-1	m	≥1
Straightness	1848-1	20mm/10m	pass
Thickness	1849-1	mm	≥ 4,2
Water tightness	1928	kPa	≥ 100
Flexibility at low temperature			
Surface	1109	°C	≤ -10
Bottom			≤ -15
Flow resistance at elevated temperature	1110	°C	≥ 100
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 vapour properties	1931	μ	20000
External fire performance	13501-5	Class	F _{ROOF}
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	≥ 90
Adhesion of granules	12039	%	≤ 30
Content of dangerous substances	Annex ZA	/	no

* NPD – no performance determined

Use and installation

IZOELAST REFLEX P4 is used regarding the demands of the standards in two- ore more layered waterproofing of flat roofs as top layer, protecting it against ageing and UV-light. It is applied by torching on the entire surface with 10 cm overlaps.

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 **EN 13707:2004+A2:2009**.

Number EC certificate of control of quality: **1404 – CPR – 2107**.



06

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

Producer

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Technical sheet

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