

IZOTEKT REFLEX P5

Waterproofing membrane with a polyester carrier and plastomer (APP) modified bitumen.

Product description IZOTEKT REFLEX P5 is a waterproofing membrane made from a polyester reinforcement that is coated on both sides with plastomer (APP) 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 IZOTEKT REFLEX P5 meets the demands of the standards SIST EN 13707 and SIST 1031. The additions of APP and the protection by mineral granules give high resistance against ageing, UV-light and higher temperatures and flexibility at low temperatures. The polyester reinforcement gives high elasticity and resistance to static and dynamic strains.

Characteristic	EN Method	Unit	Declaration EN 13707
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	≥ 5,2
Water tightness	1928	kPa	≥ 200
Flexibility at low temperature			
Surface	1109	°C	≤ -5
Bottom			≤ -10
Flow resistance at elevated temperature	1110	°C	≥ 120
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} (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	≥ 700
• transversal			≥ 600
Elongation			
• longitudinal	12311-1	%/50mm	≥ 40,0
• transversal			≥ 40,0
Flexibility at low temperature after artificial ageing by long term exposure to elevated temperature(12 weeks at 70 ° C)	1296/1109	°C	≤ 0
Flow resistance at elevated temperature after artificial ageing by long term exposure to elevated temperature(12 weeks at 70 ° C)	1296/1110	°C	≥ 100
Adhesion of granules	12039	%	≤ 30
Content of dangerous substances	Annex ZA	/	no

Use and installation IZOTEKT REFLEX P5 is used regarding the demands of the SIST EN standards as top layer in systems of two or more layered waterproofing of flat roofs that protects the roof against ageing and UV-light. It can be used as top layer in reconstructions of flat roofs. The membrane is installed by torching with a 10 cm overlap.

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 13707:2005+A2:2009** 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**.