

IZOTEKT REFLEX P5 plus

Waterproofing membrane with polyester, enforced with glass fibres and with plastomer (APP) modified bitumen

Product description

IZOTEKT REFLEX P5 plus is a waterproofing membrane made from a polyester reinforcement, with glass fibres enforced and on both sides coated 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 plus meets the demands of the standards SIST EN 13707 and SIST 1031. The especially high quality additions of APP and a protection by mineral granules give high resistance against ageing, UV-light and higher temperatures and extraordinary flexibility at low temperatures. The polyester reinforcement combined with glass fibres gives high elasticity and resistance to static and dynamic strains, as well as extraordinary dimensional stability.

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	≥ 5,5
Water tightness	1928	kPa	≥ 200
Water tightness after stretching at low temperature			≥ 10
• longitudinal	13897	%	≥ 10
• transversal			
Flexibility at low temperature			≤ -10
Surface	1109	°C	≤ -15
Bottom			
Flow resistance at elevated temperature	1110	°C	≥ 130
Resistance to tearing			≥ 300
• longitudinal	12310-1	N	≥ 300
• transversal			
shear resistance of joints			≥ 700
• longitudinal	12317-1	N/50 mm	≥ 700
• transversal			
Peel resistance of joints			≥ 30/40
• longitudinal	12316-1	N/50 mm	≥ 20/25
• transversal			
Dimensional stability			≤ 0,3
• longitudinal	1107-1	%	≤ 0,3
• transversal			
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	≥ 25
Resistance to impact	12691/A	mm	≥ 2000
Resistance to impact	12691/B	mm	≥ 2000
Tensile properties			≥ 1200
• longitudinal	12311-1	N/50mm	≥ 900
• transversal			
Elongation			≥ 35,0
• longitudinal	12311-1	%/50mm	≥ 35,0
• transversal			
Flexibility at low temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1109	°C	≤ -5
Flow resistance at elevated temperature after artificial aging by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1110	°C	≥ 120
Adhesion of granules	12039	%	≤ 30
Content of dangerous substances	Annex ZA	/	no

Use and installation

IZOTEKT REFLEX P5 plus is used regarding the demands of the SIST EN standards as top layer, most of all in the system of one-layered waterproofing of flat roofs. It can also be used as top layer in two or more layered waterproofing of flat roofs that protects the roof against ageing and UV-light, or as top layer in the restructuring of flat roofs. The membrane is installed by torching, but it can also be used in the installation of waterproofing by mechanical fastening to the surface. Overlapping: machine direction with a 12 cm, cross direction with a 15cm. 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.

Storage 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**.



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