



# IZOTEKT P4 plus

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

**Product description** IZOTEKT P4 plus is a waterproofing membrane made from a polyester reinforcement that is coated on both sides with plastomer (APP) modified bitumen. The membrane is protected on both sides by polymeric sheeting.

**Characteristics of the product** IZOTEKT P4 plus meets the demands of the standards SIST EN 13707, 13969 type A and type T and SIST 1031. The APP additions give high resistance against ageing, UV-light and higher temperatures, as well as flexibility at low temperatures. The polyester reinforcement gives high elasticity and resistance to static and dynamic strains.

Characteristic	EN Method	Unit	Declaration SIST EN 13707, SIST EN 13969
Reinforcement		Polyester fleece	
Surface protection		polymeric sheeting / polymeric sheeting	
Length	1848-1	m	≥10
Width	1848-1	m	≥1
Straightness	1848-1	20mm/10m	pass
Thickness	1849-1	mm	≥ 3,6
Water tightness	1928	kPa	≥ 100
Durability of water tightness against artificial ageing (12 weeks at 70 °C)	1296/1928	kPa	≥ 100
Flexibility at low temperature	1109	°C	≤ -10
Flow resistance at elevated temperature	1110	°C	≥ 120
Resistance to tearing			
• longitudinal	12310-1	N	≥ 200
• transversal			≥ 200
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥ 600
• transversal			≥ 550
Dimensional stability			
• longitudinal	1107-1	%	≤ 0,6
• transversal			≤ 0,6
Water vapour transmission properties	1931	μ	20000
Reaction to fire	13501-1	Class	E
External fire performance	13501-5	Class	F <sub>ROOF</sub> (t1)
Chemical resistance	1847/13707 Annex C	-	pass
Resistance to static loading	12730/A	kg	≥ 10
Resistance to static loading	12730/B	kg	≥ 20
Resistance to impact	12691/A	mm	≥ 1300
Resistance to impact	12691/B	mm	≥ 1300
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 ageing by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1109	°C	NPD
Flow resistance at elevated temperature after artificial ageing by long term exposure to elevated temperature (12 weeks at 70 °C)	1296/1110	°C	NPD
Content of dangerous substances	Annex ZA	/	no

**Use and installation** IZOTEKT P4 plus is used regarding the demands of the standards as an intermediate layer in two- ore more layered flat roof systems which are protected by a UV-resistant membrane or as protection layer in roofing systems under heavy protection, especially there, where strains because of movements of the construction are expected. It can also be used in most demanding systems of vertical and horizontal waterproofing of underground parts of objects that are exposed to water pressure. Normally it is installed by torching on the entire surface or punctual with a 10 cm overlap. The membrane can also be installed by hot bonding.

**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, SIST EN 13969:2005 and SIST EN 13969:2005/A1:2007 type A and type T, SIST 1031:2011** .

Number EC certificate of control of quality: **1404 – CPD – 1059.**



06

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