

IZOELAST P4 plus

Waterproofing membrane with a polyester carrier and with elastomer (SBS) modified bitumen

Product description

IZOELAST P4 plus is a waterproofing membrane made from a polyester reinforcement that is coated on both sides with elastomer (SBS) modified bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product

IZOELAST P4 plus meets the demands of the standards SIST EN 13707, 13969 type A and type T and SIST 1031. Because of its excellent flexibility at low temperatures it shows excellent characteristics at installation and deformations, and excellently bridges cracks also at very low temperatures. The mechanical characteristics of the reinforcement give the product high resistance against penetration and tearing.

Characteristic	EN Method	Unit	Declaration EN 13707 , 13969
Reinforcement		Polyester fleece	
Surface protection		Polymeric sheeting	
Length	1848-1	m	≥10
Width	1848-1	m	≥1
Straightness	1848-1	20 mm/10m	pass
Thickness	1849-1	mm	4,0 -10%
Watertightness	1928/2000	kPa	≥ 60
Durability of water tightness against artificial ageing (12 weeks at 70 ° C)	1928/2000	kPa	≥ 60
Flexibility at low temperature	1109	°C	≤ -25
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing			
• longitudinal	12310-1	N	≥ 200
• transversal			≥ 200
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	600 -10%
• transversal			600 -10%
Dimensional stability			
• longitudinal	1107-1	%	≤ 0,6
• transversal			≤ 0,6
Water vapour properties	1931	μ	20000
Chemical resistance	1847/13707 Annex C	-	pass
Reaction to fire	13501-1	/	F
Resistance to static loading	12730/A	kg	≥15
Resistance to static loading	12730/B	kg	≥15
Resistance to impact (h=600 mm)	12691	mm	≤ 10
Tensile strength			
• longitudinal	12311-1	N/50mm	600 -10%
• transversal			600 -10%
Elongation			
• longitudinal	12311-1	% /50mm	≥ 35
• transversal			≥ 35
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

Use and installation

IZOELAST 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. 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.

The product is in conformity with SIST EN 13707, SIST EN 13969 for type A and SIST 1031.

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.

Producer

FRAGMAT TIM d.d., Spodnja Rečica 77, SI - 3270 Laško ; www.fragmat.si

file:

Laško: Tel.: +386 (0)3 734 45 00 Fax.: +386 (0)3 734 45 63

Technical sheet

Ljubljana: Tel.: +386 (0)1 540 53 79 Fax.: +386 (0)1 524 86 94

IZOELAST P4 plus/08