

# IZOELAST T4 plus

## Waterproofing membrane with a glass fabric carrier and with elastomer (SBS) modified bitumen

### Product description

**IZOELAST T4 plus** is a waterproofing membrane made from a glass fabric 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 T4 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 SIST EN 13707, SIST EN 13969
Reinforcement		Woven glass fabric	
Surface protection		polymeric sheeting / polymeric sheeting	
Length	1848-1	m	≥10
Width	1848-1	m	≥1
Straightness	1848-1	20 mm/10m	pass
Thickness	1849-1	mm	≥ 3,6
Water tightness	1928	kPa	≥ 100
Durability of water tightness against artificial ageing	1296/1928	kPa	≥ 100
Flexibility at low temperature	1109	°C	≤ -15
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing			
• longitudinal	12310-1	N	≥ 300
• transversal			≥ 200
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥ 1000
• transversal			≥ 1500
Water vapour 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	≥ 5
Resistance to impact	12691/A	mm	≥ 1000
Resistance to impact	12691/B	mm	≥ 1500
Tensile properties			
• longitudinal	12311-1	N/50mm	≥ 1000
• transversal			≥ 1500
Elongation			
• longitudinal	12311-1	%/50mm	≥ 2,0
• transversal			≥ 2,0
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

**IZOELAST T4 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 10 cm overlaps. 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**.

