



IZOTEKT T4 plus

Waterproofing membrane with a glass fabric carrier and with plastomere modified bitumen

Product description

IZOTEKT T4 plus is a waterproofing membrane made from a glass fabric reinforcement that is coated on both sides with plastomere modified bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product

IZOTEKT T4 plus meets the demands of the standards EN 13707, EN 13969 type A and type T. Plastomere additions give high resistance against ageing, UV-light and higher temperatures, as well as flexibility at low temperatures. The glass fabric reinforcement gives high elasticity and resistance to static and dynamic strains.

Characteristic	EN Method	Unit	Declaration EN 13707:2004+A2:2009, EN 13969:2004, EN 13969:2004/A1:2004
Reinforcement		Glass fabric	
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	≥ 300
• transversal			≥ 200
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥ 1000
• transversal			≥ 1500
Water vapor transmission properties	1931	μ	20000
Reaction to fire	13501-1	/	E
External fire performance	13501-5	/	F _{ROOF}
Chemical resistance	1847/13707 Annex C	-	pass
Resistance to static loading	12730/A	kg	≥ 5
Resistance to static loading	12730/B	kg	≥ 5
Resistance to impact	12691/A	mm	≥ 1000
Resistance to impact	12691/B	mm	≥ 1500
Tensile strength			
• 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

IZOTEKT T4 plus is used 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 mechanical fastening. Joints are carried out by 10 cm overlaps and should be waterproof welded.

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

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. For the removal of waste of product it is necessary to follow the valid local environmental regulations.

The product is in conformity with **EN 13707:2004+A2:2009, EN 13969:2004 and EN 13969:2004/A1:2006 Type A and Type T.**

Number EC certificate of control of quality: **1404 – CPR – 2107.**



06

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

Producer

FRAGMAT TIM d.o.o., 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

IZOTEKT T4 plus/16-01