

## Waterproofing membrane with a glass fleece carrier and plastomer (APP) modified bitumen

### Product description

**IZOTEKT REFLEX V4** is a waterproofing membrane made from a glass fleece reinforcement that is coated on both sides 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 V4** meets the demands of the standards SIST EN 13969 type A and SIST 1031. The additions of APP and the protection by mineral granules give high resistance against ageing, UV-light and higher temperatures and flexibility at low temperatures.

Characteristic	EN Method	Unit	Declaration EN 13969
Reinforcement		Glass 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	≥ 4,2
Water tightness	1928	kPa	≥ 60
Durability of water tightness against artificial ageing (12 weeks at 70 °C)	1296/1928	kPa	≥ 60
Flexibility at low temperature			
Surface	1109	°C	≤ -5
Bottom			≤ -10
Flow resistance at elevated temperature	1110	°C	≥ 120
Resistance to tearing			
• longitudinal	12310-1	N	≥ 50
• transversal			≥ 50
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥ 350
• transversal			≥ 250
Water vapour properties	1931	μ	20000
External fire performance	13501-5	Class	F <sub>ROOF</sub> (t1)
Reaction to fire	13501-1	Class	E
Chemical resistance	1847/13707 Annex C	-	pass
Resistance to static loading	12730/A	kg	≥ 5
Resistance to impact	12691	mm	≥ 500
Tensile properties			
• longitudinal	12311-1	N/50mm	≥ 350
• transversal			≥ 250
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	≤ 0
Flow resistance at elevated temperature after artificial ageing by long term exposure to elevated temperature(12 weeks at 70 °C)	1296/1110	°C	≥ 100
Adhesion of granules	12039	%	≤ 30
Content of dangerous substances	Annex ZA	/	no

### Use and installation

**IZOTEKT REFLEX V4** is used regarding the demands of the SIST EN standards as top layer in systems of three-layer waterproofing of flat roofs of provisional objects or as top layer in the reconstructions of these. The membrane is installed by torching with 10 cm overlaps.

### 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 13969:2005** and **SIST EN 13969:2005/A1:2007** type A and **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**.

Producer

FRAGMAT TIM d.d., Spodnja Rečica 77, SI - 3270 Laško ; [www.fragmat.si](http://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

IZOTEKT REFLEX V4/12-01