

IZOFLEX P 4 FLL

Waterproofing membrane with a polyester fleece carrier and with elastomer(SBS) modified bitumen for roof gardens

Product

description:

IZOFLEX P 4 FLL is a waterproofing membrane made from a polyester fleece reinforcement, that is coated on both sides with elastomer (SBS) modified bitumen and special chemical additives against root penetration(the membrane is not resistant to the penetration of aggressive roots and other parts of the roots, such as bamboo, which can physically damage it). The membrane is protected on both sides by polimeric sheeting.

Characteristics of the product:

IZOFLEX P 4 FLL meets the demands of the standards EN 13707 for green roofs. The SBS additions give high resistance against low and higher temperatures and excellent flexibility. The mechanical characteristics of the polyester fleece give the product high resistance against penetration and tearing. A special additive in bitumen prevents root penetration.

Declaration			
Characteristic	EN Method	Unit	EN 13707:2004+A2:2009
Reinforcement	polyester fleece		
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	4.0
Mass per unit area	1849-1	kg/m²	≥ 5.0
Water tughtness	1928/2000	kPa	≥ 60
Durability of water tightness against artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1928	kPa	≥ 60
Flexibility at low temperature	1109	°C	≤ -15
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing longitudinaltransversal	12310-1	N	≥ 200 ≥ 200
Shear resistance to joints Ingitudinal transversal	12317-1	N/50 mm	1000±10% 700±10%
Water vapour properties	1931	μ	NPD
Dimensional stability Iongitudinal transversal	1107-1	%	≤ 0.6 ≤ 0.6
External fire performance	13501-5	class	F _{ROOF} (t1)
Reaction to fire	13501-1	class	E È
Chemical resistance	1847/13969 Annex A	-	pass
Resistance to static loading Resistance to impact	12730/A 12691/A	kg mm	≥ 25 ≥1700
Tensile strength Iongitudinal transversal	12311-1	N/50mm	1000±10% 700±10%
Elongation Iongitudinal transversal	12311-1	%	≥ 40 ≥ 40
Resistance to root penetration	13948	-	pass
Content of hazardous substances	Annex ZA	/	Does not contain

Use and installation: IZOFLEX P 4 FLL, is used regarding the demands of the standards systems of two-layer waterproofing of green roofs, as a layer against root penetration. The membrane is installed by torching over the wholw surface with 10cm overlappings, which must be waterproof.

Storage and transport: The rolls have to be store 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 consideration of waste:

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

The product is in confirmity with EN 13707:2004+A2:2009

The carrier is responsible for the correct transport.

Number EC certificate of control of quality: 1404 - CPR - 2323.

The system of quality is conform with EN ISO 9001.

Producer:

20

FRAGMAT S d.o.o., Branka Erića 7, SRB - 22 240 Šid;

Technical sheet

File:

E: office@fragmat.rs W:www.fragmat.rs Šid: Tel.: +381 (0)22 710 666 Fax.: +381 (0)22 710 633

IZOFLEX P 4 FLL/20-01

Beograd-Ledine: Tel/fax.: +381(0)11 2260 129; 2260 382;