

TECHNICAL SHEET

SKYFLEX POLYESTER

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

Product description:

SKYFLEX POLYESTER is a waterproofing membrane made from a polyester fleece reinforcement, that is coated on both sides with elastomer (SBS) modified bitumen. The membrane is on the upper side protected by sand and on the bottom side by polymeric sheeting.

Characteristics of the product:

SKYFLEX POLYESTER meets the demands of the standards EN 13707, EN 13969 Type T. 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.

Characteristics	EN Method	Unit	Declaration EN 13707:2004+A2:2009 EN13969:2004 a EN 13969:2004/A1:2006
Reinforcement	polyester fleece		
Surface protection	sand / polymeric sheeting		
Length	1848-1	m	≥ 8,0
Width	1848-1	m	≥ 1,0
Straightness	1848-1	20mm/10m	pass
Thickness	1849-1	mm	≥ 4,0
Watertightness	1928/2000	kPa	≥ 100
Durability of water tightness against artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1928	kPa	≥ 100
Flexibility at low temperature	1109	°C	≤ -15
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing - longitudinal - transversal	12310-01	N	≥ 200 ≥ 200
Shear resistance to joints - longitudinal - transversal	12317-1	N	≥ 650 ≥ 400
Dimensional stability - longitudinal transversal	1107-1	%	≤ 0,6 ≤ 0,6
Water vapor transmission properties, Sd	1931	μ	NPD
External fire performance	13501-5	class	F _{ROOF} (t1)
Reaction to fire	13501-1	class	E
Chemical resistance	1847/13969 Príloha A	-	pass
Resistance to static loading	12730/A	kg	≥ 10
Resistance to static loading	12730/B	kg	≥ 15
Resistance to impact	12691/A	mm	≥ 1700
Resistance to impact	12691/B	mm	≥ 1700
Tensile strength - longitudinal - transversal	12311-1	N/50mm	≥ 650 ≥ 400
Elongation - longitudinal - transversal	12311-1	%	≥ 30 ≥ 30
Content of hazardous substances	Annex ZA	/	does not contain

Instruction for use and installation:

SKYFLEX POLYESTER, is used regarding the demands of the standards as an intermediate layer in two or more layered flat roof systems which are protected by UV-resistant membrane. It is used for less demanding underground waterproofing systems, i.e. the resistance to ponding water and in two-layer systems of vertical and horizontal waterproofing that are exposed to water pressure. The membrane is installed by torch with 10cm overlaps, which must be waterproof. It is suitable for mechanical fixing.

Storage and transport:

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 carrier is responsible for the correct transport.

Disposal considerations of waste:

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



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

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

The system of quality is conform with **EN ISO 9001**.