

TECHNICAL SHEET

SKYFLEX POLYESTER DESIGN

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

Product description:

SKYFLEX POLYESTER DESIGN 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 mineral granules and on the bottom side by polymeric sheeting

Characteristics of the product:

SKYFLEX POLYESTER DESIGN meets the demands of the standards EN 13707. 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, mineral granules protect it against ageing and UV-light

Characteristics	EN Method	Unit	Declaration EN 13707:2004+A2:2009
Reinforcement	polyester fleece		
Surface protection	mineral granules / polymeric sheeting		
Length	1848-1	m	≥ 8,0
Width	1848-1	m	≥ 1,0
Straightness	1848-1	20mm/10m	pass
Mass per unit area	1849-1	kg/m ²	≥ 5,2
Watertightness	1928/2000	kPa	≥ 100
Flexibility at low temperature against artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1109	°C	≤ -15
Flow resistance at elevated temperature against artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1110	°C	≥ 90
Flexibility at low temperature	1109	°C	≤ -15
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing - longitudinal - transversal	12310-01	N	NPD NPD
Shear resistance to joints - longitudinal - transversal	12317-1	N	NPD NPD
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 Annex C	-	pass
Resistance to static loading	12730/A	kg	NPD
Resistance to impact	12691/B	mm	NPD
Tensile strength - longitudinal - transversal	12311-1	N/50mm	≥ 650 ≥ 400
Elongation strength - longitudinal - transversal	12311-1	%	≥ 30 ≥ 30
Adhesion of granules	12039	%	≤ 30
Content of hazardous substances	Annex ZA	/	does not contain

Instruction for use and installation:

SKYFLEX POLYESTER DESIGN, is used in two or more layered flat roof systems as top layer that protect roof from UV light and ageing. The membrane is installed by torch with 10cm overlaps, which must be waterproof

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**.

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

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