

IZOFLEX

waterproofing membrane

Compound

SBS

Flexibility

-20°C

Product description: IZOFLEX PES & IZOFLEX MINERAL P are waterproofing membranes made from a polyester fleece reinforcement, that is coated on both sides with elastomer (SBS) modified bitumen. IZOFLEX PES is protected on both sides by polymeric sheeting. IZOFLEX MINERAL P is on the upper side protected by mineral granules and on the bottom side by polymeric sheeting. Mineral granules protect it against ageing and UV-light.

Characteristics of the product: IZOFLEX PES meets the demands of the standards EN 13707, EN 13969 Type T. IZOFLEX MINERAL P 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.

Characteristic	EN Method	Unit	IZOFLEX	
			PES	MINERAL P
Reinforcement			polyester	
Surface protection				
Length	1848-1	m	≥ 10/8/7.5/5*	
Width	1848-1	m	≥ 1	
Straightness	1848-1	20 mm/10m	pass	
Mass per unit area	1849-1	kg/m ²	4/5	4/4.5/5/5.5/6
Water tightness	1928/2000	kPa	≥ 60	
Flexibility at low temperature				
• surface	1109	°C	≤ -20	
• bottom				
Flow resistance at elevated temperature	1110	°C	≥ 100	
Resistance to tearing				
• longitudinal	12310-1	N	≥200	NPD
• transversal			≥200	NPD
Shear resistance to joints				
• longitudinal	12317-1	N/50 mm	≥650	NPD
• transversal			≥400	NPD
Dimensional stability				
• longitudinal	1107	%	≤10.6l	
• transversal			≤10.6l	
Water vapour properties	1931	μ	20000	
External fire performance	13501-5	class	F _{ROOF} (t1)	
Reaction to fire	13501-1	class	E	
Chemical resistance	1847/13969 Annex A	-	pass	
Resistance to static loading	12730	kg	≥ 20	
Resistance to impact	12691/A	mm	≥ 1500	
Tensile strength				
• longitudinal	12311-1	N/50mm	≥650	
• transversal			≥400	
Elongation				
• longitudinal	12311-1	%	≥ 30	
• transversal			≥ 30	
Flexibility at low temperature against artificial ageing by long term exposure to elevated temperature ((12 weeks at 70°C)	1296/1109	°C	≤ -10	
Flow resistance at elevated temperature against artificial ageing by long term exposure to elevated temperature ((12 weeks at 70°C)	1296/1110	°C	≥ 90	
Adhesion of granules	12039	%	NPD	≤10
Content of hazardous substances	Annex ZA	/	Does not contain	

Use and installation: IZOFLEX PES, 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.

IZOFLEX MINERAL P, is used in two or more layered flat roof systems as top layer that protect roof from UV light and ageing..

The membranes are installed by torch with 10cm overlaps, 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 The carrier is responsible for the correct transport.

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



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

The system of quality is conform with EN ISO 9001 .

*-the length depends on weight