

BITALBIT ALV plus

Waterproofing membrane with glass fleece and Al foil and elastomer (SBS) modified bitumen

Product description **BITALBIT ALV plus** is a waterproofing membrane made from glass fleece and aluminum foil. The reinforcement is on both sides with elastomere (SBS) modified bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product **BITALBIT ALV plus** meets the demands of the standards SIST EN 13970, SIST EN 13969 for type A and SIST 1031.

Characteristic	EN Method	Unit	Declaration SIST EN 13970, SIST EN 13969
Reinforcement		aluminum foil + glass fleece	
Surface protection		polymeric sheeting / polymeric sheeting	
Length	1848-1	m	≥7,5
Width	1848-1	m	≥1
Thickness	1848-1	mm	4,0 -10%
Straightness	1848-1	20mm/10m	pass
Water tightness	1928	kPa	≥2
Durability of water tightness against artificial ageing (12 weeks at 70°C)	1296/1928	kPa	≥2
Impact resistance	12691/A	mm	≥ 1000
Low temperature flexibility	1109	°C	≤ -10
Resistance to tearing			
• longitudinal	12310-1	N	≥ 50
• transversal			≥ 50
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	350 -10%
• transversal			350 -10%
Water vapor transmission properties	1931	μ	≥ 400 000
Water vapor transmission properties	1931	m	≥ 1500
Durability of water vapour resistance against artificial ageing	1296/1931	change	≤ 50%
Reaction to fire	13501-1	class	E
Resistance to static loading	12730/B	kg	≥ 5
Chemical resistance	1847/13969 Annex A	-	pass
Tensile strength			
• longitudinal	12311-1	N/50mm	450 -10%
• transversal			350 -10%
Elongation			
• longitudinal	12311-1	%/50mm	≥ 2,0
• transversal			≥ 2,0
Content of dangerous substances	Annex ZA	/	no

Use and installation **BITALBIT ALV plus** is used regarding the demands of the SIST EN standards as a vapour barrier in flat roof systems. It can also be used in waterproofing systems of the underground parts of objects, especially as protection against radon. The membrane is applied by exceptionally by torching with a 10 cm overlap. Use of this product is especially recommended for the colder seasons period.

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 13970:2005 and SIST EN 13970:2005/A1:2007, SIST EN 13969:2005 and SIST EN 13969:2005/A1:2007 type A, SIST 1031:2006**.

Number EC certificate of control of quality: **1404 – CPD – 1059**.

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The system of quality and handling of the environment is conform with **SIST EN ISO 9001 and 14001**.