



BITALBIT AL V4

Waterproofing membrane with glass fleece and Al foil and oxidized bitumen

Product description **BITALBIT AL V4** is a waterproofing membrane made from glass fleece that is evenly coated with a thin layer of aluminum. The reinforcement is on both sides coated with oxidized bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product **BITALBIT AL V4** 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	≥3,6
Straightness	1848-1	20mm/10m	pass
Water tightness	1928	kPa	≥ 100
Durability of water tightness against artificial ageing (12 weeks at 70°C)	1296/1928	kPa	≥ 60
Resistance to impact	12691/A	mm	≥ 800
Flexibility at low temperature	1109	°C	≤ 0
Resistance to tearing			
• longitudinal	12310-1	N	≥ 50
• transversal			≥ 50
Shear resistance of joints			
• longitudinal	12317-1	N/50 mm	≥400
• transversal			≥300
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
External fire performance			
Resistance to static loading	12730/B	kg	≥ 5
Chemical resistance	1847/13969 Annex A	-	pass
Tensile properties			
• longitudinal	12311-1	N/50mm	≥400
• transversal			≥300
Elongation			
• longitudinal	12311-1	%/50mm	≥ 2,0
• transversal			≥ 2,0
Content of dangerous substances	Annex ZA	/	no

Use and installation **BITALBIT AL V4** 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.

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 1031:2011.**

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.**