



BITALBIT AL V3

Waterproofing membrane with glass fleece and Al foil and with plastomer (APP) modified bitumen

Product description **BITALBIT AL V3** 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 a plastomer (APP) modified bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product **BITALBIT AL V3** 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	glass fleece coated with aluminum		
Surface protection	polymeric sheeting / polymeric sheeting		
Length	1848-1	m	≥10
Width	1848-1	m	≥1
Thickness	1848-1	mm	≥2,7
Straightness	1848-1	20mm/10m	pass
Water tightness	1928	kPa	≥ 60
Durability of water tightness against artificial ageing (12 weeks at 70°C)	1296/1928	kPa	≥ 10
Resistance to impact	12691/A	mm	≥ 500
Flexibility at low temperature	1109	°C	≤ -5
Resistance to tearing	12310-1	N	≥ 50
• longitudinal			≥ 50
• transversal			
Shear resistance of joints	12317-1	N/50 mm	≥ 300
• longitudinal			≥ 200
• transversal			
Water vapor transmission properties	1931	μ	≥ 400000
Water vapor transmission properties	1931	m	≥ 1200
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	≥ 2
Chemical resistance	1847/13969 Annex A	-	pass
Tensile strength	12311-1	N/50mm	≥ 300
• longitudinal			≥ 200
• transversal			
Elongation	12311-1	% /50mm	≥ 2,0
• longitudinal			≥ 2,0
• transversal			
Content of dangerous substances	Annex ZA	/	no

Use and installation **BITALBIT AL V3** 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 hot bonding, 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**.

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