

TECHNICAL SHEET

BITALBIT AL V4

Waterproofing membrane made from glass fleece with aluminum foil and bitumen

Product description BITALBIT AL V4 is a bitumen waterproofing membrane made from glass fleece and aluminum reinforcement. The reinforcement is on both sides coated with bitumen. The membrane is protected on both sides by polymeric sheeting.

Characteristics of the product BITALBIT AL V4 meets the demands of the standards EN 13970 and EN 13969 for type A. The aluminum layer in the glass fleece carrier ensures vapor barrier and protection against radon penetration, while the glass fleece ensures the dimensional stability of the product.

Characteristic	EN Method	Unit	Value
Reinforcement	glass fleece with aluminum		
Surface protection	polymeric sheeting / polymeric sheeting		
Length	1848-1	m	≥ 7,5
Width	1848-1	m	≥ 1
Thickness	1849-1	mm	≥ 3,6
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	≥ 60
Resistance to impact	12691/A	mm	≥ 800
Resistance to static loading	12730/B	kg	≥ 3
Flexibility at low temperature	1109	°C	≤ 0
Resistance to tearing <ul style="list-style-type: none"> longitudinal transversal 	12310-1	N	≥ 50 ≥ 50
Shear resistance of joints <ul style="list-style-type: none"> longitudinal transversal 	12317-1	N/50 mm	≥ 400 ≥ 300
Water vapor transmission properties	1931	μ	1,6*10 ⁶ ±10%
Water vapour transmission properties Sd	1931	m	> 1500
Durability of water vapour resistance against artificial ageing	1296/1931	change	< 50%
Radon diffusion coefficient	ISO/TS 11665-13	m ² /s	(1,4±0,2)x10 ⁻¹²
Reaction to fire	13501-1	Class	E
Chemical resistance	1847/13969 Annex A	-	pass
Tensile properties <ul style="list-style-type: none"> longitudinal transversal 	12311-1	N/50mm	≥ 400 ≥ 300
Elongation <ul style="list-style-type: none"> longitudinal transversal 	12311-1	%/50mm	≥ 2,0 ≥ 2,0
Content of dangerous substances	Annex ZA	/	no

Use and installation

BITALBIT AL V4 is used as vapor barrier in flat roof systems. It can also be used in waterproofing systems of the underground parts of objects as protection against radon. The membrane is applied by exceptionally by torching with a 10 cm overlap.

Storage and transport

The rolls must 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.
Waste classification: 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.



The product is in conformity with **EN 13969:2004 and EN 13969:2004/A1:2006 Type A and EN 13970:2004 and EN 13970:2004/A1:2006.**

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