

APP Modified Bitumen Waterproofing Membranes

FN : Glassfiber .

Properties	Test	Unit	Test Method	Tolerance	NILOBIT FN	
Dimensional Properties	Thickness	mm	EN-1849-1	± 5%	2	
	Weight (Mass Per Unit Area)	kg/m ²	EN-1849-1	± 10%	-	
	Determination Of Width	m	EN-1848-1	± 1%	1	
	Determination Of Length	m	EN-1848-1	± 1%	10	
	Straightness (Ortometry)	mm	EN-1848-1	-	± 10	
Compound Properties	Softening point (R&B)	°C	ASTM D- 36	Min.	150	
	Compound Elongation	%	UNI 8202/8	± 15%	-	
Membrane Properties	Mechanical properties	Tensile Strength - Longitudinal	N/50mm	EN-12311-1	± 20%	350
		Tensile Strength - Transverse	N/50mm	EN-12311-1	± 20%	250
		Elongation At Break - Longitudinal	%	EN-12311-1	±15(polyester only)	2
		Elongation At Break - Transverse	%	EN-12311-1	±15(polyester only)	2
		Tearing Strength - Longitudinal (Nail-Shank)	N	EN-12310-1	± 30%	125
		Tearing Strength - Transverse(Nail-Shank)	N	EN-12310-1	± 30%	150
		Tensile Tear Resistance - Longitudinal	N	ASTM D- 5147 . D 4073	± 30%	300
		Tensile Tear Resistance - Transverse	N	ASTM D- 5147 . D 4073	± 30%	250
		Resistance to Static Loading	Kg	EN 12730 Method A	Min.	7
	Dynamic Puncturing (Impact Resistance)	mm	EN 12691 Method B	Min.	300	
	Thermal Properties	Flow Resistance At Elevated Temperature	°C	EN-1110	Min.	100
		Flexibility At Low Temperature	°C	EN-1109	-	+5
		Dimensional Stability	%	EN-1107-1	Max.	±0.1
		Water Impermeability- Watertightness at Low pressure	60 Kpa	EN-1928 Method A	-	PASSED
		Water Impermeability- Watertightness at High pressure	Kpa	EN-1928 Method B	Min.	100
	Miscellaneous Properties	Water Absorption	%	ASTMD-5147	Max.	< 1
		Vapour Permeability	μ	EN 1931	-	20000
		Fatigue resistance on cracks	200 cycles	UNI 8202/13	-	-
			500 cycles		-	-
		Shear Resistance Of joints - Longitudinal	N/50mm	EN-12317-1	± 20%	350
		Shear Resistance Of joints - Transverse	N/50mm	EN-12317-1	± 20%	250
		Thermal Ageing in air (in oven 28 days at 70 °C)	-	UNI 8202 /26	-	-
		Ageing Due To Atmospheric Agents (U.V Test weathering)	-	ASTM G 53 UNI 8202/29	-	-
		Fatigue resistance at Joints	200 cycles	UNI 8202/32	-	-
			500 cycles		-	-
		Fire Classification - External Fire Performance	Class	EN 13501-5/ ENV 1187	-	F Roof
		Reaction to fire	Class	EN 13501-1	-	E
		Adhesion Of Granules	%	EN-12039	Max.	-
		Adhesion To Concrete (Torch Applied)	N/ 50mm	Pelage UEAtc	-	20
	Resistance to root penetration	-	EN-13948	-	NPD	
	Supply Data	weight	kg/m ²	-	-	3 to 6
		Thickness	mm	-	-	2 to 5
		Roll Length	M	-	-	10
Roll Width		M	-	-	1	
Surface finish (E: Polyethylene film S: Sand SL:Slates GR: Granule)						
Upper Surface Finish		-	-	-	S or E	
Lower Surface Finish	-	-	-	S or E		

This version supersedes all previous versions.

V1-10-17

The declared average values represent the best performance achieved at the present state of our knowledge, BITUNIL S.A.E reserves the possibility to change, without warning, the technical characteristics in order to make the product more responding to the application requirements. The choice of the type of membrane for the kind of use is at the purchaser's discretion .

Distributor:



Tolerances for the above values if not mentioned are according to the UEAtc directives.



Nile Waterproofing Material Co. S.A.E

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