

TECHNICAL DATA SHEET



Product name:

FIBRANskin BARRIER

Material:

PP-PE, Al

Application:

Plastic and rubber vapour control layers EN 13984

Metallised surface vapour barrier membrane for

- Flat roofs
- Non ventilated pitched roofs

PROPERTY	METHOD	UNITS	NOMINAL VALUE	MINIMUM	MAXIMUM
Product designation according to EN 13984			A		
FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS					
Water vapour transmission (\bar{S}_d)	EN 1931	m	2.400	1.500	
Density of water vapour flow rate (g)	EN 1931	kg / (m ² .s)	1,73E-10		2,77E-10
Emissivity	EN 15976		0,05	-	-
Temperature resistance	-	°C	-	-40	+80
Durability (exposure to artificial ageing) Water vapour transmission properties	EN 1931	pass / no pass	pass	-	-
Bendtsen airpermeability	ISO 5636/3	ml/min	0	-	-
Gurley airpermeability	ISO 5636/5	s	-	> 2.000	-
Water tightness	EN 1928 (A)	pass / no pass	pass	-	-
Reaction to fire	EN ISO 11925-2	euroclass	E	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m ²	122	112	132
Thickness	EN 1849-2	mm	0,31	-	-
Maximum tensile force (MD)	EN 12311-2	N/50mm	180	140	-
Elongation at max. tensile force (MD)	EN 12311-2	%	15	5	-
Maximum tensile force (XD)	EN 12311-2	N/50mm	160	120	-
Elongation at max. tensile force (XD)	EN 12311-2	%	25	10	-
Resistance to tearing MD (nail shank)	EN 12310-1	N	250	180	-
Resistance to tearing XD (nail shank)	EN 12310-1	N	280	210	-
PROPERTIES AFTER AGEING					
Durability (against alkali)					
MD elongation at max. tensile force	EN 12311-2	pass / no pass	(+)	-	-
XD elongation at max. tensile force	EN 12311-2	pass / no pass	(+)	-	-
ADDITIONAL PROPERTIES					
Length	EN 1848-2	mm	50.000	-	-
Length deviation	EN 1848-2	deviation in %	0	0	-
Width	EN 1848-2	mm	1.500	-	-
Width deviation	EN 1848-2	deviation in %	0	-0,5	+1,5
Straightness	EN 1848-2	mm/10m	-	-	75
Resistance to impact	EN 12691	mm	(+)		
Joint strength	EN 12317-2	N/5cm	(+)		

(+): No Performance Determined



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