

TECHNICAL DATA SHEET

Product name:

FIBRANskin VENT SILVER

Material:

HD-PE, Al

Application:

Flexible sheets for water proofing - Part 1: Underlays for discontinuous roofing - EN 13859-1

Flexible sheets for water proofing - Part 2: Underlays for walls - EN 13859-2

Metallised surface vapour permeable and waterproof membrane for

- Water flow protection for pitched roofs
- Insulation water protection of ventilated facades

PROPERTY	METHOD	UNITS	NOMINAL VALUE	MINIMUM	MAXIMUM
FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS					
Water vapour transmission (S_d)	EN ISO 12572	m	0,03	0,01	0,05
Emissivity	EN 15976		0,10	0,08	0,12
Effective R-value of air cavity with metallised sheet – horizontal flow	EN ISO 6946	m ² .K/W	-	-	0,57
Temperature resistance	-	°C	-	-40	+100
Flexibility at low temperature	EN 1109	°C	-	-	-40
UV exposure	-	months	-	-	4
Product- / Functional layer thickness	-	µm	220 / 220	-	-
Water tightness	EN 1928 (A)	class	W1	-	-
Water column	EN 20811	m	2	-	-
Reaction to fire	EN ISO 11925-2	euroclass	(+)	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m ²	83	77	89
Maximum tensile force (MD)	EN 12311-1	N/50mm	250	200	300
Elongation at max. tensile force (MD)	EN 12311-1	%	10	6	14
Maximum tensile force (XD)	EN 12311-1	N/50mm	210	170	250
Elongation at max. tensile force (XD)	EN 12311-1	%	13	8	18
Resistance to tearing MD (nail shank)	EN 12310-1	N	90	65	115
Resistance to tearing XD (nail shank)	EN 12310-1	N	85	60	110
PROPERTIES AFTER AGEING					
Artificial ageing by UV and heat:	EN 1297 & EN 1296	residual value			
Water tightness	EN 1928 (A)	class	W1	-	-
Maximum tensile force (MD)	EN 12311-1	%	90	-	-
MD elongation at max. tensile force	EN 12311-1	%	85	-	-
Maximum tensile force (XD)	EN 12311-1	%	90	-	-
XD elongation at max. tensile force	EN 12311-1	%	85	-	-
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	-	-	30
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Resistance to penetration of air	EN 12114	m ³ /(m ² .h.50Pa)	-	-	0,05
Windtight	-	-	yes	-	-

(+): No Performance Determined



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