

TECHNICAL DATA SHEET



Product name:

FIBRANskin SEAL

Material:

HD-PE

Application:

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

Vapour permeable and waterproof membrane for

- Water flow reducing layer in flat roofs
- Ventilated facades insulation water protection

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	0,01	0,003	0,025
Temperature resistance	-	°C	-	-40	+100
Flexibility at low temperature	EN 1109	°C	-	-	-40
UV exposure	-	months	-	-	4
Product- / Functional layer thickness	-	µm	175 / 175	-	-
Water tightness	EN 1928 (A)	class	W1	-	-
Water column	EN 20811	m	1,5	-	-
Reaction to fire	EN ISO 11925-2	euroclass	E (*)	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m ²	60	55	65
Maximum tensile force (MD)	EN 12311-1	N/50mm	310	260	360
Elongation at max. tensile force (MD)	EN 12311-1	%	17	12	22
Maximum tensile force (XD)	EN 12311-1	N/50mm	310	260	360
Elongation at max. tensile force (XD)	EN 12311-1	%	20	14	26
Resistance to tearing MD (nail shank)	EN 12310-1	N	55	35	75
Resistance to tearing XD (nail shank)	EN 12310-1	N	50	30	70
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	%	80	-	-
MD elongation at max. tensile force	EN 12311-1	%	70	-	-
Maximum tensile force (XD)	EN 12311-1	%	80	-	-
XD elongation at max. tensile force	EN 12311-1	%	70	-	-
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)	-	-	2
Windtight	-	-	yes	-	-

(*): on mineral wool and wood

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