

## ROOF CUBIERTA

Valid from 01.01.2011

PROPERTIES	METHOD	UNITS	NOMINAL VALUE	TOLERANCE	
				MINIMUM	MAXIMUM

*Informative section:*

<b>Length</b>	EN 1848-2	[m]	>50	-	-
<b>Width</b>	EN 1848-2	[m]	1; 1,5; 3	-0,5%	+1,5%
<b>Straightness</b>	EN 1848-2	-	conforming	-	-
<b>Mass per unit area</b>	EN 1849-2	[g/m <sup>2</sup> ]	120	-10	+10
<b>Visible defects</b>	EN 1850-2	-	without visible defects		

*Normative part:*

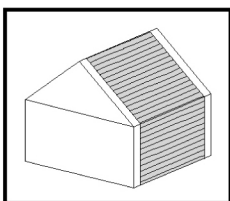
<b>Reaction to fire</b>	EN 13501 EN 11925-2	[class]	E	-	-
<b>Resistance to water penetration</b>	EN 1928 EN 13111	[class]	W1	-	-
<b>Resistance to water penetration after artificial ageing</b>	EN 13859-1;2 Annex C	[class]	W1	-	-
<b>Water vapour transmission properties (Sd)</b>	EN 12572 EN 1931	[m]	0,02	-0,01	+0,015
<b>Tensile properties: Maximum tensile force MD / CMD</b>	EN 12311-1 EN 13859-1;2	[N/50mm]	260 / 170	-25 / -25	+70 / +30
<b>Max tensile force after artificial ageing MD / CMD</b>	EN 13859-1;2 Annex C	[N/50mm]	230 / 150	-35 / -30	+80 / +40
<b>Tensile properties: Elongation MD / CMD</b>	EN 12311-1 EN 13859-1;2	[%]	50 / 80	-20 / -30	+40 / +50
<b>Elongation after artificial ageing MD / CMD</b>	EN 13859-1;2 Annex C	[%]	40 / 65	-20 / -32	+40 / +45
<b>Resistance to tearing MD / CMD</b>	EN 12310-1 EN 13859-1;2	[N]	120 / 140	-30 / -35	+50 / +55
<b>Dimensional stability</b>	EN 1107-2	[%]	<2	-	-
<b>Flexibility at low temperature</b>	EN 1109 EN 495-5	[°C]	-20	-	-
<b>Resistance to penetration of air</b>	EN 12114 EN 13859-1;2	[m <sup>3</sup> /m <sup>2</sup> .h.50Pa]	<0,02	-	-
<b>Temperature Resistance</b>	-	[°C]	-40 / +80	-	-
<b>Hydrostatic pressure test</b>	EN 20811	[cm]	>280	-	-

Notes: MD - Machine Direction, CMD - Cross Machine Direction, npd - no performance determined

*Supplementary part:*

<b>Joint strength</b>	EN 12317-2	[N/50mm]	npd	-	-
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### PRODUCT APPLICATION



EN 13859-1; 2

**Breather waterproof roofing underlay manufactured by thermally bonding outer spunbonded polypropylene layers and inner layer of microporous polypropylene film for pitched supported or unsupported roof construction without sarking and can be used also for vertical wall construction as wind barrier. It can be applied in direct contact with thermal insulation with recommended overlap.**

**This product does not contain any dangerous substances.**