

Technical data sheet**Membrana mdm[®] Ventia Guard 50**

Characteristic	Test method	Unit	Result	Tolerance	
				Min.	Max.
Length	EN 1848 -2	m	50	0	+0,5
Width	EN 1848 -2	m	1,5	-0,005	+0,005
Straightness	EN 1848 -2	-	Pass	-	-
Mass per unit area	EN 1849 -2	g/m ²	140	-15	+15
Thickness	EN 1849 -2	mm	0,35	-0,1	+0,1
Reaction to fire	EN ISO 11925-2	class	B-s1,d0*	-	-
Resistance to water penetration	EN 1928 A	class	W1	-	-
Water vapour transmission Properties	EN ISO 12572 C	m	0,120	-0,08	+0,08
Resistance to penetration of air	EN 12114	m ³ /(m ² x h x 50 Pa)	Max 0,05	-	-
Tensile properties: Maximum tensile force	EN 12311-1	N/50mm	MD 250	-70	+70
			CD 160	-40	+40
Tensile properties: elongation	EN 12311-1	%	MD 25	-15	+15
			CD 25	-15	+15
Resistance to tearing (nail shank)	EN 12310-1	N	MD 90	-30	+30
			CD 100	-30	+30
Dimensional Stability	EN 1107-2	%	1,5	-	-
Stability at low temperature	EN 1109	°C	-40	-	-
Artificial ageing by long term exposure to the combination Of UV radiation and elevated Temperature and heat (80°C)	Elongation EN 13859-1 annex C	%	MD 20	-10	+10
			CD 20	-10	+10
	Tensile strength EN 13859-1 annex C	N/50mm	MD 200	-40	+60
			CD 140	-40	+40
	Resistance to water penetration EN 13859-1 annex C	class	W1	-	-
Water vapour transmission 23°C/85%RH	Lyssy	g/m ² x 24h	850	-250	+250
Acceptable exposure to UV Concerns average yearly radiation in the Central European climate			6 months		

*When fitted directly to parts with A1 or A2 reaction to fire class or at any distance therefrom / D-s2, d0 when fitted directly to wood and wood-based materials or at any distance therefrom.

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