

**Technical data sheet**
**Membrana mdm<sup>®</sup> Ventia Iron**

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 1848 -2	g/m <sup>2</sup>	120	-10	+10
Thickness	EN 1848 -2	mm	0,5	-0,15	+0,15
Reaction to fire	EN 11925-2	class	E-d2	-	-
Resistance to water penetration	EN 1928 A	class	W1	-	-
Water vapour transmission Properties	EN ISO 12572 C	m	0,020	-0,005	+0,02
Resistance to penetration of air	EN 12114	m <sup>3</sup> /(m <sup>2</sup> x h x 50 Pa)	Max 0,05	-	-
Tensile properties: Maximum tensile force	EN 12311-1	N/50mm	MD 250	-50	+50
			CD 160	-50	+50
Tensile properties: elongation	EN 12311-1	%	MD 70	-45	+45
			CD 90	-60	+60
Resistance to tearing (nail shank)	EN 12310-1	N	MD 120	-35	+35
			CD 160	-55	+55
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 40	-20	+20
			CD 50	-30	+30
	Tensile strength EN 13859-1 annex C	N/50mm	MD 220	-50	+50
			CD 110	-30	+30
Resistance to water penetration EN 13859-1 annex C	class	W1	-	-	
Water vapour transmission 23°C/85%RH	Lyssy	g/m <sup>2</sup> x 24h	1400	-200	+200
Water vapour transmission 38°C/90%RH	Lyssy	g/m <sup>2</sup> x 24h	3200	-400	+400

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