

Technical data sheet
Membrana mdm® Ventia Iron

Characteristic	Test method	Unit	Value	Tolerance	
				Min.	Max.
Length	EN 1848-2	m	50	-0	+0,5
Width	EN 1848-2	m	1,50	-0,005	+0,005
Straightness	EN 1848-2	-	pass	-	-
Mass per unit area	EN 1849-2	g/m ²	120	-10	+10
Thickness	EN 1849-2	mm	0,55	-0,05	+0,05
Reaction to fire (free-hanging)	EN 11925-2	class	E-d2	-	-
Resistance to water penetration	EN 1928 method A	class	W1	-	-
Water vapour transmission properties	EN ISO 12572 set C	m	0,020	-0,005	+0,020
Resistance to penetration of air	EN 12114	m ³ /(m ² x h x 50 Pa)	Max 0,050	-	-
Tensile properties: Maximum tensile force	EN 12311-1	N/50 mm	MD 245	-45	+45
			CD 140	-25	+25
Tensile properties: elongation	EN 12311-1	%	MD 50	-25	+25
			CD 80	-30	+30
Resistance to tearing (nail shank)	EN 12310-1	N	MD 120	-35	+35
			CD 135	-35	+35
Dimensional stability	EN 1107-2	%	1	-	-
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 zał. C	%	MD 40	-20	+20
			CD 55	-20	+20
	Tensile strength EN 13859-1 zał. C	N/50 mm	MD 220	-40	+40
			CD 110	-20	+20
Resistance to water penetration EN 13859-1 zał. C	class	W1	-	-	
Water vapour transmission (23°C/85%RH)	Lyssy	g/m ² x 24h	1400	-200	+200
Water vapour transmission (38°C/90%RH)	Lyssy	g/m ² x 24h	3200	-400	+400

Cieszyn, 12.11.2014

