

**Technical data sheet**
**Membrana mdm<sup>®</sup> Ventia Gold FR R2**

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 <sup>2</sup>	150	-5	+5
Thickness	EN 1849-2	mm	0,7	-0,05	+0,05
Reaction to fire (free-hanging)	EN 11925-2	class	E	-	-
Resistance to water penetration	EN 1928 method A	class	W1	-	-
Water vapour transmission properties	EN ISO 12572 set C	m	0,02	-0,005	+0,020
Resistance to penetration of air	EN 12114	m <sup>3</sup> /(m <sup>2</sup> x h x 50 Pa)	Max 0,040	-0,005	+0,005
Tensile properties: Maximum tensile force	EN 12311-1	N/50 mm	MD 350	-40	+40
			CD 210	-10	+40
Tensile properties: elongation	EN 12311-1	%	MD 60	-15	+15
			CD 75	-15	+15
Resistance to tearing (nail shank)	EN 12310-1	N	MD 165	-15	+15
			CD 175	-15	+15
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 Annex. C	%	MD 40	-10	+10
			CD 50	-10	+10
	Tensile strength EN 13859-1 Annex. C	N/50 mm	MD 320	-40	+40
			CD 180	-20	+20
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	1500	-200	+200
Water vapour transmission (38°C/90%RH)	Lyssy	g/m <sup>2</sup> x 24h	3200	-400	+400

Bielsko-Biała, 11.01.2016