

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

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 <sup>2</sup>	160	-10	+10
Thickness	EN 1849 -2	mm	0,7	-0,15	+0,15
Reaction to fire	EN ISO 11925-2	class	E	-	-
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 350	-60	+60
			CD 210	-10	+60
Tensile properties: elongation	EN 12311-1	%	MD 100	-60	+60
			CD 125	-75	+75
Resistance to tearing (nail shank)	EN 12310-1	N	MD 190	-40	+40
			CD 225	-65	+65
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 45	-15	+15
			CD 60	-25	+25
	Tensile strength EN 13859-1 annex C	N/50mm	MD 310	-75	+75
			CD 180	-40	+40
	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
Water vapour transmission 38°C/90%RH	Lyssy	g/m <sup>2</sup> x 24h	3200	-400	+400

Bielsko-Biała, 30.08.2022

(Place and date of issue)

 VAT No. PL5482614481  
 Registered in Poland, KRS No. 0000354101  
 Share capital: 992 500 PLN

 Bank Handlowy w Warszawie S.A., SWIFT: CITIPLPX  
 IBAN: PL 67 1030 1508 0000 0008 1613 6008 (PLN)  
 IBAN: PL 23 1030 1508 0000 0008 1613 6024 (EUR)  
 IBAN: PL 98 1030 1508 0000 0008 1613 6032 (USD)