

**Technical data sheet**
**Membrana mdm® Ventia Neo 170**

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>	170	-10%	10%
Thickness	EN 1849 -2	mm	0,6	-0,1	+0,1
Reaction to fire	EN 13501-1:2019-02	class	B-s1,d0*	-	-
Resistance to water penetration	EN 1928 A	class	W1	-	-
Water vapour transmission Properties, Sd	EN ISO 12572 C	m	0,120	-0,05	+0,16
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 410	-70	+70
			CD 390	-70	+70
Tensile properties: elongation	EN 12311-1	%	MD 55	-20	+20
			CD 70	-20	+20
Resistance to tearing (nail shank)	EN 12310-1	N	MD 300	-50	+50
			CD 310	-50	+50
Dimensional Stability	EN 1107-2	%	2	-	-
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	-15	+20
			CD 60	-20	+20
	Tensile strength EN 13859-1 annex C	N/50mm	MD 350	-50	+50
			CD 320	-50	+50
	Resistance to water penetration EN 13859-1 annex C	class	W1	-	-
	Artificial ageing by long term exposure to the combination Of UV radiation and elevated Temperature and heat (120°C)	Elongation EN 13859-1 annex C	%	MD 40	-15
CD 60				-20	+20
Tensile strength EN 13859-1 annex C		N/50mm	MD 350	-50	+50
			CD 320	-50	+50
Resistance to water penetration EN 13859-1 annex C		class	W1	-	-
Water vapour transission 23°C/85%RH		Lyssy	g/m <sup>2</sup> x 24h	500	-200
Water vapour transission 38°C/90%RH	Lyssy	g/m <sup>2</sup> x 24h	900	-300	+300

\* 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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