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Technical data sheet

Membrana mdm® Ventia Cobalt Plus

Characterisctic	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	170	-10	+10
Thickness	EN 1849-2	mm	0,8	-0,15	+0,15
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	0,040	-0,020	+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 370	-50	+50
			CD 230	-25	+25
Tensile properties: elongation	EN 12311-1	%	MD 65	-15	+15
			CD 75	-15	+15
Resistance to tearing (nail shank)	EN 12310-1	N	MD 150	-30	+30
			CD 170	-30	+30
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 45	-20	+20
			CD 60	-20	+20
	Tensile strength EN 13859-1 Annex C	N/50 mm	MD 350	-60	+60
			CD 180	-30	+30
	Resistance to water penetration EN 13859-1 Annex C	class	W1	-	-
Water vapour transmission (23°C/85%RH)	Lyssy	g/m^2 x 24h	1350	-300	+300
Water vapour transmission (38°C/90%RH)	Lyssy	g/m^2 x 24h	3450	-400	+400

Bielsko-Biała, 4.01.2016
(place and date)