

TECHNICAL DATA SHEET
mdm[®] Ventia Platinum Plus - Heavy Duty Roof Underlay

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 1848-2	g/m ²	225	-10	+10
Thickness	EN 1848-2	mm	0,9	-0,15	+0,15
Reaction to fire	AS 1530.2-1993	class	< 5	-	-
Absorbency	AS/NZS 4201.6	g/m ²	204		
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 ³ /(m ² x h x 50 Pa)	Max 0,05	-	-
Tensile properties: Maximum tensile force	EN 12311-1	N/50mm	MD 460	-95	+95
			CD 320	-85	+85
Tensile properties: elongation	EN 12311-1	%	MD 75	-45	+45
			CD 105	-45	+45
Resistance to tearing (nail shank)	EN 12310-1	N	MD 220	-65	+65
			CD 265	-100	+100
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 50	-25	+25
			CD 60	-35	+35
	Tensile strength EN 13859-1 annex C	N/50mm	MD 410	-85	+85
			CD 245	-50	+50
Resistance to water penetration EN 13859-1 annex C	class	W1	-	-	
Water vapour transmission 23°C/85%RH	Lyssy	g/m ² x 24h	1300	-200	+200
Water vapour transmission 38°C/90%RH	Lyssy	g/m ² x 24h	2800	-400	+500

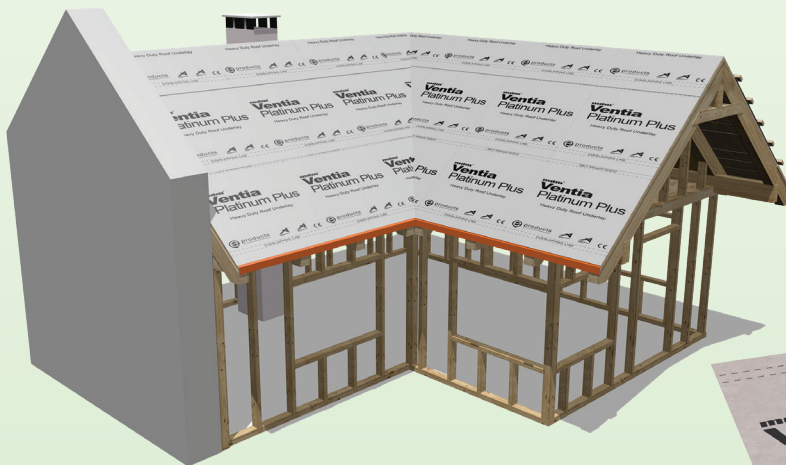
mdm®

Ventia Platinum Plus

- Heavy Duty Roof Underlay

Weathertightness - Absorbency - Breathability

Self-Supporting Underlay : Roof Underlay Support Requirements			
Roof Pitch	Span	Roof Underlay Support Required?	
		Horizontally Installed	Vertically Installed
10° or more	Greater than 1200mm	Yes	Yes
	1200mm or less	No	No
Less than 10° (Minimum 3°)	Greater than 1200mm	Yes	Yes
	1200mm or less	No	Yes



All Wind Zones:

Low (115.2 kph); Medium (133.2 kph);
High (158.4 kph); Very High (180 kph);
Extra High (198 kph)



BRANZ Appraisal No. 1167 & 1168 (2020)

NZBC E2 AS1 Table 23 Requirements						
Test	Method	Units	Table 23 Requirement	Control Sample	60 h Q-Sun Aged Sample	
Absorbency	AS/NZS 4201.6	g/m ²	≥ 150 g/m ²	185 Pass	204 Pass	
Vapour Transmission	ASTM E96 (B)	MNs/g	≤ 7 MNs/g	0.38 Pass	0.43 Pass	
Shrinkage	AS/NZS 4201.3	%	≤ 0.5%	-0.2% Pass	Not tested	
Water Barrier	AS/NZS 4201.4	100mm	mm	≥100mm	Pass	
pH of Extract	AS/NZS 1301.421	pH	≥ 5.5 & ≤ 8.0	6.9 Pass	6.6 Pass	
Edge Tear Resistance	TAPPI T470	MD	N	>150 N	240 Pass	235 Pass
		CD	N	>130 N	171 Pass	158 Pass
Tensile Strength	AS 1301.448	MD	kN/m	>3 kN/m	8.6 Pass	8.0 Pass
		CD	kN/m	>1 kN/m	5.7 Pass	5.7 Pass

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