

PROMINIUM

Wind Load Pressure Span Table

See below the recommended ultimate limit state (ULS) and serviceability limit state (SLS) non-cyclonic wind load pressures for **PROMINIUM**.

PROMINIUM Panel Size			Tophat Spacing (mm)	Panel to Z-Angle Fixing Spacing (mm)	Ultimate Strength Capacity ± pressure (kPa)	Serviceability Capacity ± pressure (kPa)
Width b (mm)	Length a (mm)	Ratio a/b				
300	300	1.0	300	300	10.00	10.00
	450	1.5	450	300	9.60	9.50
	600	2.0	600	300	9.60	9.50
	750	2.5	600	300	8.38	8.38
	900	3.0	600	300	8.38	8.38
600	600	1.0	600	300	3.70	3.70
	900	1.5	600	300	3.20	3.20
	1200	2.0	600	300	3.10	3.10
	1500	2.5	600	300	3.10	2.60
	1800	3.0	600	300	3.10	2.40
900	900	1.0	600	300	2.79	2.79
	1350	1.5	600	300	2.79	2.70
	1800	2.0	600	300	1.80	1.60
	2250	2.5	600	300	1.30	1.20
	2700	3.0	600	300	1.10	1.10
1200	1200	1.0	600	300	2.09	2.09
	1800	1.5	600	300	1.30	1.30
	2400	2.0	600	300	0.70	0.70
	3000	2.5	600	300	0.50	0.50
	3600	3.0	600	300	0.40	0.40
1500	1500	1.0	600	300	1.40	1.40
	2250	1.5	600	300	0.70	0.70
	3000	2.0	600	300	0.40	0.40
	3750	2.5	600	300	0.30	0.30
	4000	2.7	600	300	0.30	0.30

Notes to table:

1. Wind load shall be determined in accordance with AS/NZS 1170.2-2011.
2. Tophats and stud framing shall be designed in accordance with AS/NZS 4600:2018.
3. Fixing between cladding panel and Z angle to be 10-16 x 16mm pan head screw.
4. Fixing between Z angle and tophat to be 10-16 x 16mm hex head screw.
5. Serviceability limit pressure is for a maximum panel deflection of span/50.