



METECNOSPAN® SPAN TABLES

FOR WIND REGION B - NON CYCLONIC

(EXTERNAL ROOF APPLICATIONS ONLY)

PIR Core 0.42mm hi-tensile / 0.5mm steel skins

WIND REGION B

Single span, wind pressure acting inwards

Maximum uniformly distributed ULS design wind load (kPa) for the given span:

Span (m):	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
40 mm	4.66	3.85	3.26	2.83	2.49	2.12	1.71	1.40	1.16	0.97	0.81	0.68	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	6.60	5.46	4.64	4.03	3.56	3.18	2.87	2.38	1.99	1.68	1.43	1.23	1.06	0.92	0.80	0.70	-	-	-	-	-	-	-	-	-	-	-	-	-
80 mm	8.20	6.79	5.78	5.03	4.44	3.97	3.59	3.27	2.91	2.48	2.12	1.84	1.60	1.40	1.23	1.08	0.96	0.85	0.76	-	-	-	-	-	-	-	-	-	-
100 mm	9.46	7.84	6.68	5.82	5.14	4.60	4.16	3.79	3.48	3.21	2.86	2.48	2.17	1.91	1.68	1.49	1.33	1.19	1.07	0.96	0.86	0.78	0.70	0.63	-	-	-	-	-

Single span, wind pressure acting outwards

Maximum uniformly distributed ULS design wind load (kPa) for the given span:

Span (m):	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
40 mm	4.99	4.17	3.50	2.70	2.15	1.76	1.47	1.25	1.08	0.94	0.83	0.74	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	6.94	5.80	4.63	3.57	2.84	2.32	1.93	1.64	1.41	1.23	1.08	0.96	0.86	0.78	0.71	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-
80 mm	8.56	7.15	5.83	4.49	3.57	2.91	2.42	2.05	1.76	1.53	1.35	1.20	1.07	0.97	0.88	0.80	0.74	0.68	0.63	-	-	-	-	-	-	-	-	-	-
100 mm	9.83	8.21	7.06	5.43	4.31	3.51	2.92	2.47	2.12	1.85	1.62	1.44	1.29	1.16	1.05	0.96	0.88	0.81	0.75	0.70	0.65	0.61	0.58	0.54	-	-	-	-	-

Multi-span, wind pressure acting inwards

Maximum uniformly distributed ULS design wind load (kPa) for the given span:

Span (m):	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
40 mm	3.68	3.03	2.56	2.21	1.82	1.43	1.14	0.92	0.75	0.61	0.50	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	5.23	4.32	3.67	3.18	2.50	1.98	1.59	1.30	1.07	0.89	0.74	0.62	0.52	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80 mm	6.51	5.38	4.58	3.97	3.21	2.55	2.07	1.69	1.41	1.18	0.99	0.84	0.72	0.61	0.52	0.45	0.38	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	7.52	6.22	5.29	4.60	3.94	3.14	2.55	2.10	1.75	1.47	1.25	1.07	0.91	0.79	0.68	0.59	0.51	0.44	0.38	-	-	-	-	-	-	-	-	-	-

Multi-span, wind pressure acting outwards

Maximum uniformly distributed ULS design wind load (kPa) for the given span:

Span (m):	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
40 mm	4.01	3.36	2.89	2.54	2.27	2.05	1.87	1.72	1.48	1.29	1.14	1.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	5.57	4.66	4.01	3.52	3.14	2.83	2.58	2.38	2.20	2.02	1.77	1.57	1.40	1.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80 mm	6.87	5.74	4.93	4.33	3.86	3.48	3.18	2.92	2.70	2.52	2.32	2.05	1.83	1.64	1.48	1.35	1.23	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	7.31	6.11	5.25	4.61	4.11	3.71	3.38	3.11	2.88	2.68	2.51	2.36	2.20	1.98	1.78	1.62	1.48	1.36	1.25	-	-	-	-	-	-	-	-	-	-

NOTES

- Pressures specified are for wind gusts only per AS1170.
- Self weight of the panel has been allowed for, plus an allowance of up to 10kg/m² for light duty fittings (lights, etc.). No other dead loads permitted.
- Non-trafficable maintenance access (concentrated load) of 140kg on any span has been allowed for, in roof pans only. Avoid stepping on the ribs.
- Distributed live load of 0.25kPa has been allowed for (as per AS/NZS 1170.1:2001).
- Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.
- Fixing with 14g tek screws (or equivalent) at each rib are required.
- Min. roof slope of 2 degree applies.
- This span table applies to non-cyclonic region only.
- SecureLap roof lap jointing system is permitted to be used at the end support of multi-spans with no reduction in tabulated capacity.
- For FM Approved applications, a) a max. span of 1830mm applies.
b) approved fasteners must be used. Refer Bondor.
- Correct at the time of publishing. Refer Bondor for updates.
- Refer to your certifying engineer for panel selection.
- Refer to www.bondor.com.au for your local Bondor branch and representatives.
- Span tables have been developed by Bligh Tanner Consulting Engineers by interpretation of physical testing conducted & reported by BRANZ.