



METECNOSPAN® SPAN TABLES

FOR WIND REGION D - CYCLONIC

(EXTERNAL WALL APPLICATIONS ONLY)

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

WIND REGION D

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	4.90	4.08	3.50	3.06	2.72	2.36	1.95	1.64	1.40	1.20	1.05	0.92	0.82	0.73	0.65	0.59	0.54	0.49	0.43	0.39	0.34	0.31	0.28	0.25	0.23	0.21	0.19	0.17	0.16
60 mm	6.85	5.71	4.89	4.28	3.80	3.42	3.11	2.62	2.24	1.93	1.68	1.48	1.31	1.17	1.05	0.94	0.86	0.78	0.71	0.66	0.60	0.56	0.51	0.46	0.42	0.38	0.35	0.32	0.29
80 mm	8.46	7.05	6.04	5.28	4.70	4.23	3.84	3.52	3.17	2.73	2.38	2.09	1.85	1.65	1.48	1.34	1.21	1.11	1.01	0.93	0.86	0.79	0.73	0.68	0.64	0.59	0.54	0.50	0.46
100 mm	9.73	8.11	6.95	6.08	5.40	4.86	4.42	4.05	3.74	3.47	3.13	2.75	2.43	2.17	1.95	1.76	1.60	1.45	1.33	1.22	1.13	1.04	0.97	0.90	0.84	0.78	0.73	0.69	0.65

Single span, wind pressure acting outwards

Maximum uniformly distributed 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	4.90	4.08	3.41	2.61	2.06	1.67	1.38	1.16	0.99	0.85	0.74	0.65	0.58	0.52	0.46	0.42	0.38	0.34	0.32	0.29	0.27	0.25	0.23	0.21	0.20	0.19	0.17	0.16	0.15
60 mm	6.85	5.71	4.54	3.48	2.75	2.22	1.84	1.54	1.32	1.13	0.99	0.87	0.77	0.69	0.62	0.56	0.50	0.46	0.42	0.39	0.36	0.33	0.31	0.28	0.26	0.25	0.23	0.22	0.20
80 mm	8.46	7.05	5.73	4.39	3.47	2.81	2.32	1.95	1.66	1.43	1.25	1.10	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.49	0.45	0.42	0.39	0.36	0.33	0.31	0.29	0.27	0.26
100 mm	9.73	8.11	6.95	5.32	4.20	3.40	2.81	2.36	2.01	1.74	1.51	1.33	1.18	1.05	0.94	0.85	0.77	0.70	0.64	0.59	0.54	0.50	0.47	0.43	0.40	0.38	0.35	0.33	0.31

Multi-span, wind pressure acting inwards

Maximum uniformly distributed 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	3.92	3.27	2.80	2.45	2.06	1.67	1.38	1.16	0.99	0.85	0.74	0.65	0.58	0.52	0.46	0.42	0.38	0.34	0.32	0.29	0.27	0.25	0.23	0.21	0.20	0.19	0.17	0.16	0.15
60 mm	5.48	4.56	3.91	3.42	2.75	2.22	1.84	1.54	1.32	1.13	0.99	0.87	0.77	0.69	0.62	0.56	0.50	0.46	0.42	0.39	0.36	0.33	0.31	0.28	0.26	0.25	0.23	0.22	0.20
80 mm	6.76	5.64	4.83	4.23	3.47	2.81	2.32	1.95	1.66	1.43	1.25	1.10	0.97	0.87	0.78	0.70	0.64	0.58	0.53	0.49	0.45	0.42	0.39	0.36	0.33	0.31	0.29	0.27	0.26
100 mm	7.78	6.48	5.56	4.86	4.20	3.40	2.81	2.36	2.01	1.74	1.51	1.33	1.18	1.05	0.94	0.85	0.77	0.70	0.64	0.59	0.54	0.50	0.47	0.43	0.40	0.38	0.35	0.33	0.31

Multi-span, wind pressure acting outwards

Maximum uniformly distributed 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	3.92	3.27	2.80	2.45	2.18	1.96	1.78	1.63	1.40	1.20	1.05	0.92	0.82	0.73	0.65	0.59	0.54	0.49	0.45	0.41	0.38	0.35	0.32	0.30	0.28	0.26	0.25	0.23	0.22
60 mm	5.48	4.56	3.91	3.42	3.04	2.74	2.49	2.28	2.11	1.93	1.68	1.48	1.31	1.17	1.05	0.94	0.86	0.78	0.71	0.66	0.60	0.56	0.52	0.48	0.45	0.42	0.39	0.37	0.35
80 mm	6.60	5.50	4.71	4.13	3.67	3.30	3.00	2.75	2.54	2.36	2.20	1.95	1.73	1.54	1.38	1.25	1.13	1.03	0.94	0.87	0.80	0.74	0.68	0.64	0.59	0.55	0.52	0.49	0.46
100 mm	7.78	6.48	5.56	4.86	4.32	3.89	3.54	3.24	2.99	2.78	2.59	2.36	2.09	1.87	1.68	1.51	1.37	1.25	1.14	1.05	0.97	0.90	0.83	0.77	0.72	0.67	0.63	0.59	0.56

NOTES

- Pressures specified are for wind gusts only per AS1170.
- 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 and pan into min. 1.45mm BMT steel purlin are required.
- This span table developed in accordance with lo-hi-lo cyclic test regime per BCA 2009.
- 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.