



MetecnoInspire® Span Tables

FOR WIND REGIONS A & B

(CEILING APPLICATIONS)

PIR Core 0.6/0.5 mm Steel Skins (Micro V/Plain)

Metecno

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WIND REGIONS A & B

Single Span (Loaded Inwards)

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

Span (m):	0.9	1.2	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
50 mm	4.63	3.41	2.67	2.18	1.83	1.57	1.37	1.21	1.07	0.96	0.87	0.75	0.60	0.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	5.60	4.13	3.25	2.67	2.25	1.93	1.69	1.49	1.33	1.20	1.09	0.99	0.89	0.73																
80 mm	7.55	5.59	4.42	3.64	3.08	2.66	2.33	2.07	1.86	1.68	1.53	1.40	1.29	1.13	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	9.49	7.05	5.58	4.60	3.91	3.38	2.97	2.65	2.38	2.16	1.97	1.81	1.67	1.48	1.28	1.11	0.96	0.84	0.74	0.65	0.57	-	-	-	-	-	-	-	-	-

Single Span (Loaded Outwards)

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

Maximum uniformly distributed load (kN/m) for the given span:																														
Span (m):	0.9	1.2	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
50 mm	4.67	3.53	2.85	2.39	2.06	1.82	1.63	1.48	1.35	1.18	1.02	0.89	0.79	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	5.98	4.51	3.63	3.04	2.62	2.31	2.07	1.87	1.64	1.39	1.20	1.05	0.93	0.83																
80 mm	7.03	5.30	4.26	3.57	3.08	2.71	2.42	2.19	2.00	1.83	1.58	1.38	1.22	1.08	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	7.60	5.73	4.61	3.86	3.33	2.93	2.61	2.37	2.16	1.99	1.85	1.70	1.50	1.33	1.19	1.08	0.98	0.90	0.82	0.76	0.71	-	-	-	-	-	-	-	-	-

Double Span (Loaded Inwards)

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

Span (m):	0.9	1.2	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
50 mm	3.65	2.67	2.09	1.69	1.41	1.21	1.04	0.91	0.81	0.72	0.64	0.53	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	4.43	3.25	2.55	2.08	1.74	1.49	1.30	1.14	1.01	0.91	0.82	0.68	0.55																	
80 mm	5.98	4.42	3.48	2.85	2.41	2.07	1.81	1.60	1.43	1.29	1.17	0.98	0.82	0.69	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	7.54	5.58	4.41	3.63	3.07	2.65	2.32	2.06	1.85	1.67	1.52	1.29	1.09	0.92	0.78	0.67	0.57	0.49	0.42	-	-	-	-	-	-	-	-	-	-	-

Double Span (Loaded Outwards)

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

Span (m):	0.9	1.2	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
50 mm	3.52	2.66	2.15	1.81	1.57	1.38	1.24	1.13	1.04	0.96	0.89	0.84	0.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60 mm	4.80	3.63	2.93	2.46	2.12	1.87	1.68	1.52	1.39	1.28	1.19	1.05	0.93																	
80 mm	5.50	4.15	3.35	2.81	2.42	2.14	1.91	1.73	1.58	1.46	1.36	1.27	1.19	1.13	1.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	5.96	4.50	3.62	3.04	2.62	2.31	2.07	1.87	1.71	1.58	1.47	1.37	1.29	1.22	1.15	1.10	1.04	1.00	0.96	-	-	-	-	-	-	-	-	-	-	-

NOTES

1. Pressures specified are for wind gusts only per AS1170.
2. 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.
3. Non-trafficable maintenance access (concentrated load) of 140kg on any span has been allowed for. The capacity of ceiling hangers must be checked to allow for the worst location of this additional load.
4. Distributed live load of 0.25kPa has been allowed for (as per AS/NZS 1170.1:2001).
5. Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.
6. Fixings tek screws, 2 at panel joint per line of support.
7. Correct at the time of publishing. Refer Bondor for updates.
8. Refer to your certifying engineer for panel selection.
9. Refer to www.bondor.com.au for your local Bondor branch and representatives.
10. Span tables have been developed by Bligh Tanner Consulting Engineers by interpretation of physical testing

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