



INSULROOF® SPAN TABLES

FOR WIND REGIONS C & D- CYCLONIC

(EXTERNAL ROOFING APPLICATIONS ONLY)

EPS-FR Core Grade M 0.42mm hi-tensile / 0.6mm steel skins

Metecno

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WIND REGIONS C & D

Single Span (loaded 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
50 mm	5.04	4.13	3.48	2.99	2.61	2.31	2.05	1.66	1.35	1.11	0.91	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	7.77	6.40	5.43	4.70	4.13	3.67	3.09	2.53	2.09	1.75	1.47	1.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	10.50	8.68	7.38	6.40	5.64	5.03	4.13	3.40	2.83	2.38	2.02	1.72	1.48	1.27	1.10	0.95	0.82	0.71	0.61	0.53	0.45	0.38	-	-	-	-	-	-	-
125 mm	13.23	10.95	9.32	8.10	7.16	6.35	5.17	4.27	3.58	3.02	2.58	2.21	1.91	1.66	1.44	1.26	1.10	0.96	0.85	0.74	0.65	0.57	-	-	-	-	-	-	-
150 mm	15.96	13.23	11.27	9.81	8.67	7.60	6.21	5.15	4.32	3.66	3.13	2.70	2.34	2.04	1.79	1.57	1.38	1.22	1.08	0.96	0.85	0.75	0.66	0.59	0.52	0.45	0.40	-	-
200 mm	21.42	17.77	15.17	13.22	11.70	10.12	8.28	6.89	5.80	4.94	4.25	3.68	3.21	2.81	2.48	2.19	1.95	1.73	1.55	1.39	1.24	1.11	1.00	0.90	0.81	0.73	0.65	0.58	0.52

Single Span (loaded 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	9.3	9.6	9.9
50 mm	5.56	4.65	4.00	3.51	2.88	2.35	1.96	1.66	1.43	1.25	1.10	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	8.30	6.93	5.95	5.13	4.07	3.32	2.76	2.33	2.00	1.74	1.53	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	11.03	9.21	7.91	6.63	5.26	4.28	3.55	3.00	2.57	2.23	1.96	1.73	1.55	1.39	1.26	1.14	1.05	0.96	0.89	0.83	0.77	0.72	-	-	-	-	-	-	-
125 mm	12.06	10.06	8.64	7.57	6.45	5.24	4.35	3.67	3.14	2.73	2.39	2.11	1.88	1.69	1.53	1.39	1.27	1.16	1.07	1.00	0.93	0.86	-	-	-	-	-	-	-
150 mm	15.47	12.91	11.08	9.64	7.64	6.21	5.15	4.34	3.72	3.22	2.82	2.49	2.22	1.99	1.80	1.63	1.49	1.37	1.26	1.17	1.08	1.01	0.94	0.88	0.83	0.78	0.74	-	-
200 mm	18.21	15.20	13.04	11.42	10.02	8.14	6.74	5.68	4.86	4.21	3.68	3.25	2.89	2.59	2.33	2.12	1.93	1.77	1.63	1.50	1.40	1.30	1.21	1.14	1.07	1.00	0.95	0.90	0.85

Double Span (loaded 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	9.3	9.6	9.9
50 mm	3.95	3.22	2.70	2.31	2.01	1.76	1.44	1.14	0.91	0.73	0.58	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	6.13	5.04	4.26	3.67	3.22	2.79	2.23	1.81	1.48	1.21	1.00	0.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	8.31	6.86	5.81	5.03	4.43	3.75	3.02	2.47	2.04	1.70	1.42	1.20	1.01	0.86	0.72	0.61	0.51	0.43	-	-	-	-	-	-	-	-	-	-	-
125 mm	10.50	8.67	7.37	6.40	5.64	4.70	3.81	3.13	2.61	2.19	1.85	1.57	1.34	1.15	0.99	0.85	0.73	0.63	0.53	0.46	0.39	-	-	-	-	-	-	-	-
150 mm	12.68	10.49	8.93	7.76	6.85	5.66	4.60	3.80	3.17	2.67	2.27	1.94	1.67	1.44	1.25	1.08	0.94	0.82	0.71	0.62	0.54	0.46	0.40	-	-	-	-	-	-
200 mm	17.04	14.13	12.05	10.48	9.27	7.57	6.18	5.12	4.30	3.64	3.12	2.69	2.33	2.03	1.77	1.56	1.37	1.21	1.07	0.94	0.83	0.74	0.65	0.57	0.51	0.44	0.39	-	-

Double Span (loaded 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	9.3	9.6	9.9
50 mm	4.47	3.74	3.22	2.83	2.52	2.28	2.08	1.92	1.78	1.62	1.43	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	4.71	3.94	3.39	2.98	2.66	2.40	2.19	2.02	1.87	1.74	1.64	1.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	4.88	4.08	3.51	3.09	2.75	2.49	2.27	2.09	1.94	1.81	1.69	1.59	1.50	1.43	1.36	1.29	1.24	1.19	-	-	-	-	-	-	-	-	-	-	-
125 mm	4.88	4.08	3.52	3.09	2.76	2.49	2.27	2.09	1.94	1.81	1.69	1.59	1.51	1.43	1.36	1.30	1.24	1.19	1.14	1.10	1.06	-	-	-	-	-	-	-	-
150 mm	6.25	5.23	4.49	3.94	3.52	3.18	2.90	2.66	2.47	2.30	2.15	2.02	1.91	1.81	1.72	1.64	1.57	1.50	1.44	1.38	1.33	1.28	1.21	-	-	-	-	-	-
200 mm	7.35	6.15	5.28	4.64	4.13	3.73	3.40	3.13	2.90	2.70	2.53	2.37	2.24	2.12	2.02	1.92	1.84	1.76	1.69	1.62	1.56	1.50	1.45	1.40	1.36	1.29	1.21	-	-

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.). Extra 15kg/m² dead loads permitted on exterior side of panel (acting inwards).
3. Non-trafficable maintenance access (concentrated load) of 140kg on any span has been allowed for.
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. Fixing with 14g tek screws (or equivalent) and Corri-Lok washers at minimum every corrugation are required.
7. Min. roof slope of 5 degree applies.
8. This span table applies to cyclonic regions C & D only.
9. Correct at the time of publishing. Refer Bondor for updates.
10. Refer to your certifying engineer for panel selection.
11. Refer to www.bondor.com.au for your local Bondor branch and representatives.
12. Span tables have been developed by Bligh Tanner Consulting Engineers by interpretation of physical testing.