



INSULROOF® SPAN TABLES

FOR WIND REGION C - CYCLONIC

(EXTERNAL ROOFING APPLICATIONS ONLY)

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

Metecno

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WIND REGION C

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	4.24	3.46	2.91	2.49	2.17	1.91	1.70	1.52	1.35	1.11	0.91	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	6.57	5.40	4.57	3.95	3.46	3.07	2.63	2.25	1.93	1.66	1.43	1.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	8.90	7.34	6.23	5.40	4.75	4.23	3.81	3.34	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	11.23	9.29	7.90	6.85	6.04	5.40	4.87	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	13.56	11.23	9.56	8.31	7.34	6.56	5.92	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	18.22	15.11	12.88	11.22	9.92	8.88	8.04	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	4.76	3.98	3.43	3.01	2.69	2.35	1.96	1.66	1.43	1.25	1.10	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	7.10	5.93	5.10	4.47	3.99	3.32	2.76	2.33	2.00	1.74	1.53	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	9.43	7.88	6.77	5.93	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	11.77	9.82	8.44	7.39	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	14.11	11.77	10.11	8.86	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	3.31	2.69	2.24	1.91	1.65	1.44	1.27	1.13	0.91	0.73	0.58	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75 mm	5.17	4.24	3.57	3.07	2.68	2.37	2.12	1.81	1.48	1.21	1.00	0.83	0.69	0.56	0.46	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-
100 mm	7.03	5.79	4.90	4.23	3.72	3.30	2.96	2.47	2.04	1.70	1.42	1.20	1.01	0.86	0.72	0.61	0.51	0.43	-	-	-	-	-	-	-	-	-	-	-
125 mm	8.90	7.34	6.23	5.40	4.75	4.23	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	10.76	8.89	7.56	6.56	5.78	5.16	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	14.48	12.00	10.22	8.88	7.85	7.02	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	3.83	3.20	2.76	2.43	2.17	1.96	1.79	1.65	1.53	1.43	1.34	1.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	1.45	1.38	1.28	1.16	-	-	-	-	-	-	-	-	-	-	-	-	-
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

- 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.). Extra 15kg/m2 dead loads permitted on exterior side of panel (acting inwards).
- Non-trafficable maintenance access (concentrated load) of 140kg on any span has been allowed for.
- 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 every corrugation are required.
- Min. roof slope of 5 degree applies.
- This span table applies to cyclonic region C only.
- 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.