



BONDOR[®]/SMOOTH PANEL[®] SPAN TABLES

FOR WIND REGION A & B - NON-CYCLONIC

(EXTERNAL WALL APPLICATIONS WITH SINGLE MUSHROOM FIXING)

EPS-FR Core Grade SL 0.6mm steel skins

WIND REGION A

Single span, wind pressure acting inwards/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
50 mm	3.39	2.83	2.42	2.12	1.86	1.56	1.31	1.12	0.95	0.82	0.71	0.62	0.54	0.47	0.42	0.37	0.33	0.29	0.26	0.23	0.21	0.19	-	-	-	-	-	-	-
75 mm	5.09	4.24	3.64	3.18	2.83	2.55	2.19	1.84	1.57	1.35	1.18	1.04	0.92	0.82	0.74	0.66	0.60	0.55	0.50	0.46	0.42	0.39	0.35	0.32	0.30	0.27	0.25	0.23	-
100 mm	6.79	5.66	4.85	4.24	3.77	3.39	2.92	2.46	2.09	1.81	1.57	1.38	1.22	1.09	0.98	0.88	0.80	0.73	0.67	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	8.48	7.07	6.06	5.30	4.71	4.24	3.66	3.07	2.62	2.26	1.97	1.73	1.53	1.37	1.23	1.11	1.00	0.91	0.84	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	10.18	8.48	7.27	6.36	5.66	5.09	4.39	3.69	3.14	2.71	2.36	2.07	1.84	1.64	1.47	1.33	1.20	1.10	1.00	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	13.50	11.25	9.64	8.44	7.50	6.75	5.85	4.92	4.19	3.61	3.15	2.76	2.45	2.18	1.96	1.77	1.60	1.46	1.34	1.23	1.13	1.05	0.97	0.90	0.84	0.79	0.74	0.69	0.65
250 mm	13.50	11.25	9.64	8.44	7.50	6.75	6.14	5.63	5.19	4.51	3.93	3.46	3.06	2.73	2.45	2.21	2.01	1.83	1.67	1.54	1.42	1.31	1.21	1.13	1.05	0.98	0.92	0.86	0.81
300 mm	13.50	11.25	9.64	8.44	7.50	6.75	6.14	5.63	5.19	4.82	4.50	4.15	3.67	3.28	2.94	2.65	2.41	2.19	2.01	1.84	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.04	0.97

Multi-span, wind pressure acting inwards/outwards

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	2.72	2.26	1.94	1.70	1.51	1.36	1.23	1.13	1.04	0.90	0.79	0.69	0.61	0.55	0.49	0.44	0.40	0.37	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16
75 mm	4.07	3.39	2.91	2.55	2.26	2.04	1.85	1.70	1.57	1.35	1.18	1.04	0.92	0.82	0.74	0.66	0.60	0.55	0.50	0.46	0.42	0.39	0.36	0.34	0.32	0.29	0.28	0.26	0.24
100 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.81	1.57	1.38	1.22	1.09	0.98	0.88	0.80	0.73	0.67	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.53	1.37	1.23	1.11	1.00	0.91	0.84	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.33	1.20	1.10	1.00	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	0.97	0.90	0.84	0.79	0.74	0.69	0.65
250 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	1.00	0.96	0.93	0.90	0.87	0.84	0.81
300 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	1.00	0.96	0.93	0.90	0.87	0.84	0.82

WIND REGION B

Single span, wind pressure acting inwards/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
50 mm	3.39	2.83	2.42	2.12	1.89	1.70	1.46	1.23	1.05	0.90	0.79	0.69	0.61	0.55	0.49	0.44	0.40	0.37	0.33	0.31	0.28	0.26	-	-	-	-	-	-	-
75 mm	5.09	4.24	3.64	3.18	2.83	2.55	2.19	1.84	1.57	1.35	1.18	1.04	0.92	0.82	0.74	0.66	0.60	0.55	0.50	0.46	0.42	0.39	0.36	0.34	0.32	0.29	0.28	0.26	-
100 mm	6.79	5.66	4.85	4.24	3.77	3.39	2.92	2.46	2.09	1.81	1.57	1.38	1.22	1.09	0.98	0.88	0.80	0.73	0.67	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	8.48	7.07	6.06	5.30	4.71	4.24	3.66	3.07	2.62	2.26	1.97	1.73	1.53	1.37	1.23	1.11	1.00	0.91	0.84	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	10.18	8.48	7.27	6.36	5.66	5.09	4.39	3.69	3.14	2.71	2.36	2.07	1.84	1.64	1.47	1.33	1.20	1.10	1.00	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	13.50	11.25	9.64	8.44	7.50	6.75	5.85	4.92	4.19	3.61	3.15	2.76	2.45	2.18	1.96	1.77	1.60	1.46	1.34	1.23	1.13	1.05	0.97	0.90	0.84	0.79	0.74	0.69	0.65
250 mm	13.50	11.25	9.64	8.44	7.50	6.75	6.14	5.63	5.19	4.51	3.93	3.46	3.06	2.73	2.45	2.21	2.01	1.83	1.67	1.54	1.42	1.31	1.21	1.13	1.05	0.98	0.92	0.86	0.81
300 mm	13.50	11.25	9.64	8.44	7.50	6.75	6.14	5.63	5.19	4.82	4.50	4.15	3.67	3.28	2.94	2.65	2.41	2.19	2.01	1.84	1.70	1.57	1.46	1.35	1.26	1.18	1.10	1.04	0.97

Multi-span, wind pressure acting inwards/outwards

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	2.72	2.26	1.94	1.70	1.51	1.36	1.23	1.13	1.04	0.90	0.79	0.69	0.61	0.55	0.49	0.44	0.40	0.37	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16
75 mm	4.07	3.39	2.91	2.55	2.26	2.04	1.85	1.70	1.57	1.35	1.18	1.04	0.92	0.82	0.74	0.66	0.60	0.55	0.50	0.46	0.42	0.39	0.36	0.34	0.32	0.29	0.28	0.26	0.24
100 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.81	1.57	1.38	1.22	1.09	0.98	0.88	0.80	0.73	0.67	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.53	1.37	1.23	1.11	1.00	0.91	0.84	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.33	1.20	1.10	1.00	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	0.97	0.90	0.84	0.79	0.74	0.69	0.65
250 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	1.00	0.96	0.93	0.90	0.87	0.84	0.81
300 mm	5.40	4.50	3.86	3.38	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.13	1.08	1.04	1.00	0.96	0.93	0.90	0.87	0.84	0.82

NOTES

- Pressures specified are for wind gusts only per AS 1170.
- Deflection limit of span/150 applies, and in accordance with Serviceability Limit State criteria per AS1170.0 - TABLE C1.
- Fixing with 14g tek screws (x4 off) or mushroom head bolts (x1 off) minimum per fixing point are required. Figures in red are limited by single mushroom fixing. Refer to double mushroom fixing tables for improved figures.
- This span table applies to non-cyclonic regions 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 conducted & reported by BRANZ.