



BONDOR[®]/SMOOTH PANEL[®] SPAN TABLES

FOR WIND REGION C & D - CYCLONIC

(EXTERNAL WALL APPLICATIONS ONLY)

EPS-FR Core Grade SL 0.6mm steel skins

WIND REGION C

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	0.24	0.23	0.21	0.19	0.17	0.16	0.15
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	0.24
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	11.25	9.38	8.04	7.03	6.25	5.63	5.11	4.69	4.19	3.61	3.15	2.76	2.45	2.18	1.96	1.77	-	-	-	-	-	-	-	-	-	-	-	-	-
250 mm	11.25	9.38	8.04	7.03	6.25	5.63	5.11	4.69	4.33	4.02	3.75	3.46	3.06	2.73	2.45	2.21	-	-	-	-	-	-	-	-	-	-	-	-	-

Multi-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	1.53	1.28	1.09	0.96	0.85	0.77	0.70	0.64	0.59	0.55	0.51	0.48	0.45	0.43	0.40	0.38	0.36	0.35	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16
75 mm	2.25	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	0.75	0.70	0.66	0.63	0.59	0.56	0.54	0.51	0.49	0.46	0.42	0.39	0.36	0.34	0.32	0.29	0.28	0.26	0.24
100 mm	2.97	2.48	2.12	1.86	1.65	1.49	1.35	1.24	1.14	1.06	0.99	0.93	0.87	0.83	0.78	0.74	0.71	0.68	0.65	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	3.74	3.11	2.67	2.33	2.08	1.87	1.70	1.56	1.44	1.33	1.25	1.17	1.10	1.04	0.98	0.93	0.89	0.85	0.81	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	1.07	1.02	0.98	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-
250 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-

WIND REGION D

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	0.24	0.23	0.21	0.20	0.18	0.17	0.16
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	0.24
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	11.25	9.38	8.04	7.03	6.25	5.63	5.11	4.69	4.19	3.61	3.15	2.76	2.45	2.18	1.96	1.77	-	-	-	-	-	-	-	-	-	-	-	-	-
250 mm	11.25	9.38	8.04	7.03	6.25	5.63	5.11	4.69	4.33	4.02	3.75	3.46	3.06	2.73	2.45	2.21	-	-	-	-	-	-	-	-	-	-	-	-	-

Multi-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	1.53	1.28	1.09	0.96	0.85	0.77	0.70	0.64	0.59	0.55	0.51	0.48	0.45	0.43	0.40	0.38	0.36	0.35	0.33	0.31	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16
75 mm	2.25	1.88	1.61	1.41	1.25	1.13	1.02	0.94	0.87	0.80	0.75	0.70	0.66	0.63	0.59	0.56	0.54	0.51	0.49	0.46	0.42	0.39	0.36	0.34	0.32	0.29	0.28	0.26	0.24
100 mm	2.97	2.48	2.12	1.86	1.65	1.49	1.35	1.24	1.14	1.06	0.99	0.93	0.87	0.83	0.78	0.74	0.71	0.68	0.65	0.61	0.57	0.52	0.49	0.45	0.42	0.39	0.37	0.35	0.32
125 mm	3.74	3.11	2.67	2.33	2.08	1.87	1.70	1.56	1.44	1.33	1.25	1.17	1.10	1.04	0.98	0.93	0.89	0.85	0.81	0.77	0.71	0.65	0.61	0.56	0.53	0.49	0.46	0.43	0.41
150 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	1.07	1.02	0.98	0.92	0.85	0.79	0.73	0.68	0.63	0.59	0.55	0.52	0.49
200 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-
250 mm	4.50	3.75	3.21	2.81	2.50	2.25	2.05	1.88	1.73	1.61	1.50	1.41	1.32	1.25	1.18	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-

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 mushroom head bolts (x2 off) minimum per fixing point are required.
- This span table developed in accordance with lo-hi cyclic test regime per AS 4040.3.
- 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.