



## Imposed Load (+ve)

Narrow Flange in Compression (Single Span)

Deflection Limit L/ 200 \*

Factored Imposed Loads (kN/m <sup>2</sup> )			(Positive +ve)														
Thickness (mm)	Weight (kg/m <sup>2</sup> )	Span Condition	Span (m)														
			1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40
0.50	4.90	Single	5.10	4.19	3.50	2.97	2.55	2.06	1.69	1.40	1.18	1.00	0.85	0.73	0.64	0.56	-
		Double	2.69	2.33	2.04	1.80	1.60	1.43	1.29	1.17	1.06	0.97	0.89	0.82	0.76	0.70	0.66
		Multi	3.20	2.77	2.43	2.15	1.91	1.72	1.55	1.41	1.28	1.17	1.08	0.99	0.92	0.85	0.79
0.70	6.41	Single	8.31	6.82	5.70	4.77	3.79	3.07	2.52	2.09	1.75	1.48	1.27	1.09	0.95	0.83	0.73
		Double	4.54	3.92	3.42	3.01	2.67	2.39	2.15	1.95	1.77	1.62	1.48	1.36	1.26	1.17	1.08
		Multi	5.40	4.67	4.08	3.60	3.21	2.87	2.59	2.35	2.14	1.95	1.79	1.65	1.53	1.38	1.21

## Wind Suction Load (-ve)

Broad Flange in Compression (Single Span)

Deflection Limit L/ 150 \*\*

Factored Wind Suction Loads (kN/m <sup>2</sup> )			(Negative -ve)														
Thickness (mm)	Weight (kg/m <sup>2</sup> )	Span Condition	Span (m)														
			1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40
0.50	4.90	Single	4.83	4.00	3.36	2.86	2.46	2.00	1.65	1.37	1.16	0.98	0.84	0.73	0.63	0.55	-
		Double	5.40	4.46	3.75	3.20	2.76	2.40	2.11	1.87	1.67	1.50	1.35	1.22	1.12	1.02	0.94
		Multi	6.75	5.58	4.69	3.99	3.44	3.00	2.64	2.29	1.93	1.64	1.40	1.21	1.06	0.92	0.81
0.70	6.41	Single	7.81	6.46	5.42	4.62	3.99	3.26	2.68	2.24	1.88	1.60	1.37	1.19	1.03	0.90	0.80
		Double	8.79	7.27	6.11	5.20	4.49	3.91	3.44	3.04	2.71	2.44	2.20	1.99	1.82	1.66	1.53
		Multi	10.99	9.09	7.63	6.50	5.61	4.89	4.29	3.73	3.14	2.67	2.29	1.98	1.72	1.51	1.33

### Notes:

- 1 This table has been produced for roof cladding applications. However, it can be safely used for wall cladding.
- 2 Safe Imposed loads factored by 1.6. Wind suction loads factored by 1.4.
- \* Deflection limit applied to imposed loads - L/200.
- \*\* Deflection limit applied to suction loads - L/150.

**TPP recommend the use of 0.70mm gauge material for roof cladding**



Thomas Panels & Profiles reserve the right to amend information without notice.