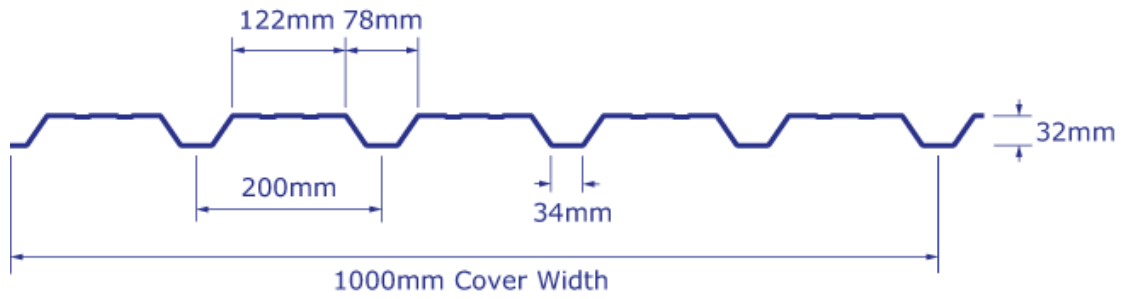


1000/32 Prodeck Roof Decking Load Table (0.75mm)



The Span Tables below have been created in accordance with EN 1993-1-3 (Eurocode EC3) and calculated by the Steel Construction Institute (SCI). The values are based on a maximum permitted deflection of Span/200 under imposed load.

Load factor (working load to ultimate): 1.5 (in accordance with Eurocode).
Deflection for limit of span: L/200

GRAVITY parameters	0.75mm
Bottom flange in compression	
Moment capacity (kNm/m)	1.537
Inertia (cm ⁴ /m)	12.313
Bottom flange in tension	
Moment capacity (kNm/m)	1.657
Inertia (cm ⁴ /m)	12.16
Shear resistance (kN/m)	44.776
Web crushing mid (kN/m)	12.672
Web crushing end (kN/m)	6.336
Inertia gross section (cm ⁴ /m)	13.27

Prodeck 1000/32 - 0.75mm Span/Load Table - GRAVITY - Working load UDL (kN/m²)

GRAVITY		Span in Metres												
Span Type	Design Case	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
Single	Moment	8.84	7.30	6.14	5.23	4.51	3.93	3.45	3.06	2.73	2.45	2.21	2.00	1.83
	Inertia	10.10	7.59	5.85	4.60	3.68	2.99	2.47	2.06	1.73	1.47	1.26	1.09	0.95
	Reaction	8.45	7.68	7.04	6.50	6.03	5.63	5.28	4.97	4.69	4.45	4.22	4.02	3.84
	Limiting	8.45	7.30	5.85	4.60	3.68	2.99	2.47	2.06	1.73	1.47	1.26	1.09	0.95
Double	Moment	8.20	6.77	5.69	4.85	4.18	3.64	3.20	2.84	2.53	2.27	2.05	1.86	1.69
	Inertia	16.84	12.65	9.75	7.67	6.14	4.99	4.11	3.43	2.89	2.46	2.11	1.82	1.58
	Reaction	6.76	6.14	5.63	5.20	4.83	4.51	4.22	3.98	3.75	3.56	3.38	3.22	3.07
	Interaction	4.63	4.03	3.54	3.14	2.80	2.52	2.28	2.07	1.89	1.73	1.59	1.47	1.36
Limiting	4.63	4.03	3.54	3.14	2.80	2.52	2.28	2.07	1.89	1.73	1.59	1.47	1.36	
Multiple	Moment	10.25	8.47	7.12	6.06	5.23	4.55	4.00	3.55	3.16	2.84	2.56	2.32	2.12
	Inertia	16.84	12.65	9.75	7.67	6.14	4.99	4.11	3.43	2.89	2.46	2.11	1.82	1.58
	Reaction	7.68	6.98	6.40	5.91	5.49	5.12	4.80	4.52	4.27	4.04	3.84	3.66	3.49
	Interaction	5.49	4.78	4.21	3.74	3.35	3.01	2.73	2.48	2.27	2.08	1.92	1.78	1.65
Limiting	5.49	4.78	4.21	3.74	3.35	3.01	2.73	2.48	2.27	2.08	1.92	1.78	1.58	

Prodeck 1000/32 - 0.75mm Span/Load Table - UPLIFT - Working load UDL (kN/m²)

UPLIFT		Span in Metres												
Span Type	Design Case	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
Single	Moment	8.20	6.77	5.69	4.85	4.18	3.64	3.20	2.84	2.53	2.27	2.05	1.86	1.69
	Inertia	10.19	7.65	5.89	4.64	3.71	3.02	2.49	2.07	1.75	1.49	1.27	1.10	0.96
	Reaction	8.45	7.68	7.04	6.50	6.03	5.63	5.28	4.97	4.69	4.45	4.22	4.02	3.84
	Limiting	8.20	6.77	5.69	4.64	3.71	3.02	2.49	2.07	1.75	1.49	1.27	1.10	0.96
Double	Moment	8.84	7.30	6.14	5.23	4.51	3.93	3.45	3.06	2.73	2.45	2.21	2.00	1.83
	Inertia	16.98	12.76	9.82	7.73	6.19	5.03	4.14	3.46	2.91	2.48	2.12	1.83	1.59
	Reaction	6.76	6.14	5.63	5.20	4.83	4.51	4.22	3.98	3.75	3.56	3.38	3.22	3.07
	Interaction	4.79	4.17	3.67	3.26	2.91	2.62	2.37	2.16	1.97	1.81	1.67	1.54	1.43
Limiting	4.79	4.17	3.67	3.26	2.91	2.62	2.37	2.16	1.97	1.81	1.67	1.54	1.43	
Multiple	Moment	11.05	9.13	7.67	6.54	5.64	4.91	4.32	3.82	3.41	3.06	2.76	2.50	2.28
	Inertia	16.98	12.76	9.82	7.73	6.19	5.03	4.14	3.46	2.91	2.48	2.12	1.83	1.59
	Reaction	7.68	6.98	6.40	5.91	5.49	5.12	4.80	4.52	4.27	4.04	3.84	3.66	3.49
	Interaction	5.66	4.95	4.36	3.88	3.47	3.13	2.84	2.59	2.37	2.18	2.01	1.86	1.73
Limiting	5.66	4.95	4.36	3.88	3.47	3.13	2.84	2.59	2.37	2.18	2.01	1.83	1.59	



'SCI Assessed Quality Mark'. This mark testifies that the [Steel Construction Institute \(SCI\)](http://www.sci.co.uk) has independently verified the technical data above.

- [1000/32 0.7mm Roof Decking Load Table](#)
- [1000/32 0.9mm Roof Decking Load Table](#)
- [1000/32 1.2mm Roof Decking Load Table](#)
- [800/66 0.7mm Roof Decking Load Table](#)
- [800/66 0.75mm Roof Decking Load Table](#)
- [800/66 0.9mm Roof Decking Load Table](#)
- [800/66 1.2mm Roof Decking Load Table](#)

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