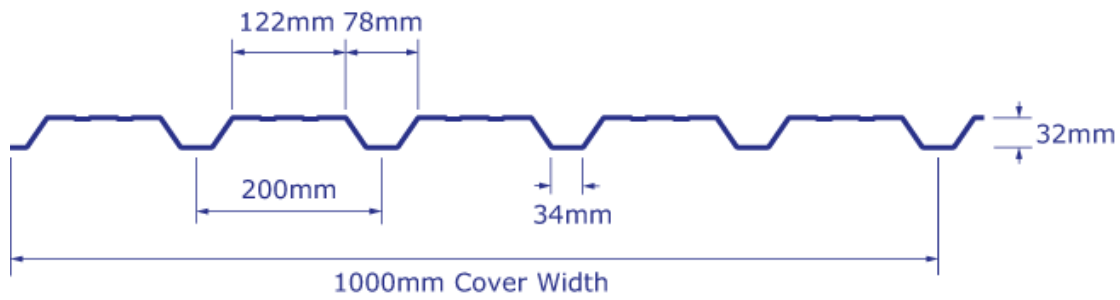


1000/32 Prodeck Roof Decking Load Table (1.2mm)



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	1.2mm
Bottom flange in compression	
Moment capacity (kNm/m)	2.771
Inertia (cm ⁴ /m)	21.688
Bottom flange in tension	
Moment capacity (kNm/m)	2.771
Inertia (cm ⁴ /m)	21.688
Shear resistance (kN/m)	73.155
Web crushing mid (kN/m)	32.069
Web crushing end (kN/m)	16.034
Inertia gross section (cm ⁴ /m)	21.688

Prodeck 1000/32 - 1.2mm 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	14.78	12.21	10.26	8.74	7.54	6.57	5.77	5.11	4.56	4.09	3.69	3.35	3.05
	Inertia	17.49	13.14	10.12	7.96	6.37	5.18	4.27	3.56	3.00	2.55	2.19	1.89	1.64
	Reaction	21.38	19.44	17.82	16.45	15.27	14.25	13.36	12.58	11.88	11.25	10.69	10.18	9.72
	Limiting	14.78	12.21	10.12	7.96	6.37	5.18	4.27	3.56	3.00	2.55	2.19	1.89	1.64
Double	Moment	14.78	12.21	10.26	8.74	7.54	6.57	5.77	5.11	4.56	4.09	3.69	3.35	3.05
	Inertia	29.15	21.90	16.87	13.27	10.62	8.64	7.12	5.93	5.00	4.25	3.64	3.15	2.74
	Reaction	17.10	15.55	14.25	13.16	12.22	11.40	10.69	10.06	9.50	9.00	8.55	8.14	7.77
	Interaction	9.91	8.55	7.46	6.57	5.83	5.21	4.69	4.24	3.85	3.52	3.23	2.97	2.74
Limiting	9.91	8.55	7.46	6.57	5.83	5.21	4.69	4.24	3.85	3.52	3.23	2.97	2.74	
Multiple	Moment	18.47	15.27	12.83	10.93	9.43	8.21	7.22	6.39	5.70	5.12	4.62	4.19	3.82
	Inertia	29.15	21.90	16.87	13.27	10.62	8.64	7.12	5.93	5.00	4.25	3.64	3.15	2.74
	Reaction	19.44	17.67	16.20	14.95	13.88	12.96	12.15	11.43	10.80	10.23	9.72	9.26	8.83
	Interaction	11.84	10.24	8.95	7.89	7.02	6.28	5.66	5.12	4.66	4.26	3.91	3.60	3.33
Limiting	11.84	10.24	8.95	7.89	7.02	6.28	5.66	5.12	4.66	4.25	3.64	3.15	2.74	

Prodeck 1000/32 - 1.2mm 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	14.78	12.21	10.26	8.74	7.54	6.57	5.77	5.11	4.56	4.09	3.69	3.35	3.05
	Inertia	17.49	13.14	10.12	7.96	6.37	5.18	4.27	3.56	3.00	2.55	2.19	1.89	1.64
	Reaction	21.38	19.44	17.82	16.45	15.27	14.25	13.36	12.58	11.88	11.25	10.69	10.18	9.72
	Limiting	14.78	12.21	10.12	7.96	6.37	5.18	4.27	3.56	3.00	2.55	2.19	1.89	1.64
Double	Moment	14.78	12.21	10.26	8.74	7.54	6.57	5.77	5.11	4.56	4.09	3.69	3.35	3.05
	Inertia	29.15	21.90	16.87	13.27	10.62	8.64	7.12	5.93	5.00	4.25	3.64	3.15	2.74
	Reaction	17.10	15.55	14.25	13.16	12.22	11.40	10.69	10.06	9.50	9.00	8.55	8.14	7.77
	Interaction	9.91	8.55	7.46	6.57	5.83	5.21	4.69	4.24	3.85	3.52	3.23	2.97	2.74
Limiting	9.91	8.55	7.46	6.57	5.83	5.21	4.69	4.24	3.85	3.52	3.23	2.97	2.74	
Multiple	Moment	18.47	15.27	12.83	10.93	9.43	8.21	7.22	6.39	5.70	5.12	4.62	4.19	3.82
	Inertia	29.15	21.90	16.87	13.27	10.62	8.64	7.12	5.93	5.00	4.25	3.64	3.15	2.74
	Reaction	19.44	17.67	16.20	14.95	13.88	12.96	12.15	11.43	10.80	10.23	9.72	9.26	8.83
	Interaction	11.84	10.24	8.95	7.89	7.02	6.28	5.66	5.12	4.66	4.26	3.91	3.60	3.33
Limiting	11.84	10.24	8.95	7.89	7.02	6.28	5.66	5.12	4.66	4.25	3.64	3.15	2.74	



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

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