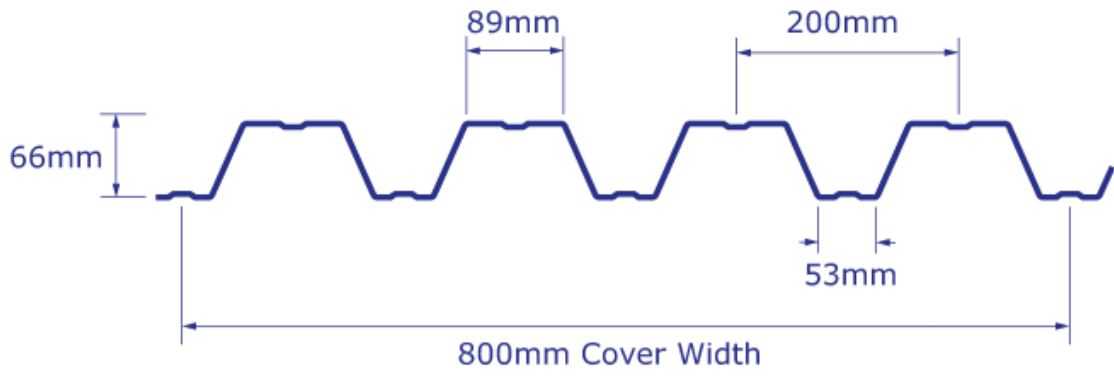


800/66 Prodeck Roof Decking Load Table (0.75mm)



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)	5.24
Inertia (cm ⁴ /m)	69.741
Bottom flange in tension	
Moment capacity (kNm/m)	5.151
Inertia (cm ⁴ /m)	64.734
Shear resistance (kN/m)	53.625
Web crushing mid (kN/m)	13.411
Web crushing end (kN/m)	6.706
Inertia gross section (cm ⁴ /m)	70.319

Prodeck 800/66 - 0.75mm Span/Load Table - GRAVITY - Working load UDL (kN/m²)

GRAVITY		Span in Metres												
Span Type	Design Case	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
Single	Moment	14.02	10.73	8.48	6.87	5.68	4.77	4.06	3.50	3.05	2.68	2.38	2.12	1.90
	Inertia	19.57	13.11	9.21	6.71	5.04	3.88	3.06	2.45	1.99	1.64	1.37	1.15	0.98
	Reaction	6.39	5.59	4.97	4.47	4.06	3.73	3.44	3.19	2.98	2.79	2.63	2.48	2.35
	Limiting	6.39	5.59	4.97	4.47	4.06	3.73	3.06	2.45	1.99	1.64	1.37	1.15	0.98
Double	Moment	14.26	10.92	8.63	6.99	5.77	4.85	4.13	3.56	3.11	2.73	2.42	2.16	1.94
	Inertia	32.62	21.85	15.35	11.19	8.41	6.47	5.09	4.08	3.31	2.73	2.28	1.92	1.63
	Reaction	5.11	4.47	3.97	3.58	3.25	2.98	2.75	2.55	2.38	2.24	2.10	1.99	1.88
	Interaction	4.70	3.96	3.40	2.96	2.60	2.31	2.06	1.86	1.69	1.54	1.41	1.29	1.19
	Limiting	4.70	3.96	3.40	2.96	2.60	2.31	2.06	1.86	1.69	1.54	1.41	1.29	1.19
Multiple	Moment	17.82	13.65	10.78	8.73	7.22	6.06	5.17	4.46	3.88	3.41	3.02	2.70	2.42
	Inertia	32.62	21.85	15.35	11.19	8.41	6.47	5.09	4.08	3.31	2.73	2.28	1.92	1.63
	Reaction	5.81	5.08	4.52	4.06	3.69	3.39	3.13	2.90	2.71	2.54	2.39	2.26	2.14
	Interaction	5.47	4.63	3.98	3.47	3.05	2.72	2.43	2.20	1.99	1.82	1.67	1.54	1.42
	Limiting	5.47	4.63	3.98	3.47	3.05	2.72	2.43	2.20	1.99	1.82	1.67	1.54	1.42

Prodeck 800/66 - 0.75mm Span/Load Table - UPLIFT - Working load UDL (kN/m²)

UPLIFT		Span in Metres												
Span Type	Design Case	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
Single	Moment	14.26	10.92	8.63	6.99	5.77	4.85	4.13	3.56	3.11	2.73	2.42	2.16	1.94
	Inertia	20.55	13.77	9.67	7.05	5.30	4.08	3.21	2.57	2.09	1.72	1.43	1.21	1.03
	Reaction	6.39	5.59	4.97	4.47	4.06	3.73	3.44	3.19	2.98	2.79	2.63	2.48	2.35
	Limiting	6.39	5.59	4.97	4.47	4.06	3.73	3.21	2.57	2.09	1.72	1.43	1.21	1.03
Double	Moment	14.02	10.73	8.48	6.87	5.68	4.77	4.06	3.50	3.05	2.68	2.38	2.12	1.90
	Inertia	34.25	22.95	16.12	11.75	8.83	6.80	5.35	4.28	3.48	2.87	2.39	2.01	1.71
	Reaction	5.11	4.47	3.97	3.58	3.25	2.98	2.75	2.55	2.38	2.24	2.10	1.99	1.88
	Interaction	4.68	3.94	3.38	2.94	2.58	2.29	2.05	1.85	1.67	1.52	1.39	1.28	1.18
	Limiting	4.68	3.94	3.38	2.94	2.58	2.29	2.05	1.85	1.67	1.52	1.39	1.28	1.18
Multiple	Moment	17.52	13.41	10.60	8.59	7.10	5.96	5.08	4.38	3.82	3.35	2.97	2.65	2.38
	Inertia	34.25	22.95	16.12	11.75	8.83	6.80	5.35	4.28	3.48	2.87	2.39	2.01	1.71
	Reaction	5.81	5.08	4.52	4.06	3.69	3.39	3.13	2.90	2.71	2.54	2.39	2.26	2.14
	Interaction	5.45	4.61	3.96	3.45	3.04	2.70	2.42	2.18	1.98	1.81	1.66	1.52	1.41
	Limiting	5.45	4.61	3.96	3.45	3.04	2.70	2.42	2.18	1.98	1.81	1.66	1.52	1.41



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

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