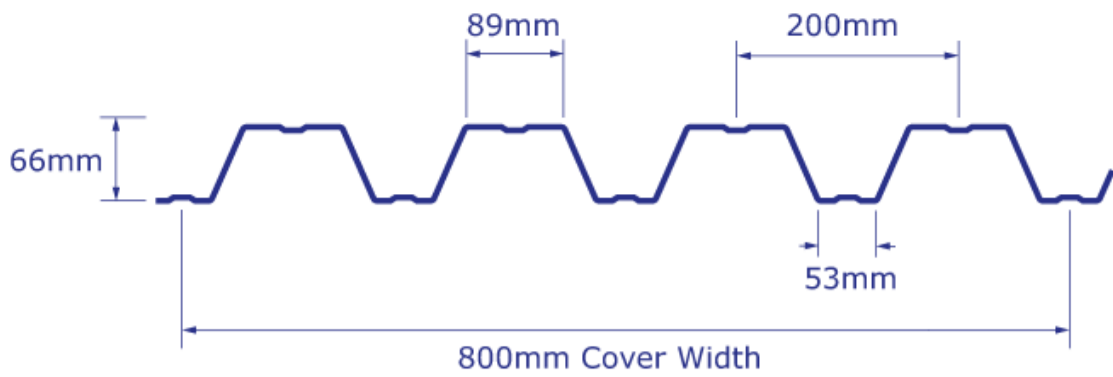


800/66 Prodeck Roof Decking Load Table (1.2mm)



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)	8.67
Inertia (cm ⁴ /m)	114.89
Bottom flange in tension	
Moment capacity (kNm/m)	8.67
Inertia (cm ⁴ /m)	114.89
Shear resistance (kN/m)	135.81
Web crushing mid (kN/m)	33.939
Web crushing end (kN/m)	16.97
Inertia gross section (cm ⁴ /m)	114.89

Prodeck 800/66 - 1.2mm 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	23.59	18.06	14.27	11.56	9.55	8.03	6.84	5.90	5.14	4.52	4.00	3.57	3.20
	Inertia	33.76	22.62	15.89	11.58	8.70	6.70	5.27	4.22	3.43	2.83	2.36	1.99	1.69
	Reaction	16.16	14.14	12.57	11.31	10.28	9.43	8.70	8.08	7.54	7.07	6.65	6.29	5.95
	Limiting	16.16	14.14	12.57	11.31	8.70	6.70	5.27	4.22	3.43	2.83	2.36	1.99	1.69
Double	Moment	23.59	18.06	14.27	11.56	9.55	8.03	6.84	5.90	5.14	4.52	4.00	3.57	3.20
	Inertia	56.27	37.70	26.48	19.30	14.50	11.17	8.79	7.03	5.72	4.71	3.93	3.31	2.81
	Reaction	12.93	11.31	10.06	9.05	8.23	7.54	6.96	6.46	6.03	5.66	5.32	5.03	4.76
	Interaction	10.44	8.70	7.37	6.35	5.53	4.86	4.31	3.86	3.47	3.14	2.85	2.61	2.39
Limiting	10.44	8.70	7.37	6.35	5.53	4.86	4.31	3.86	3.47	3.14	2.85	2.61	2.39	
Multiple	Moment	29.49	22.58	17.84	14.45	11.94	10.03	8.55	7.37	6.42	5.64	5.00	4.46	4.00
	Inertia	56.27	37.70	26.48	19.30	14.50	11.17	8.79	7.03	5.72	4.71	3.93	3.31	2.81
	Reaction	14.69	12.86	11.43	10.28	9.35	8.57	7.91	7.35	6.86	6.43	6.05	5.71	5.41
	Interaction	12.26	10.24	8.71	7.51	6.56	5.78	5.14	4.60	4.15	3.76	3.42	3.13	2.88
Limiting	12.26	10.24	8.71	7.51	6.56	5.78	5.14	4.60	4.15	3.76	3.42	3.13	2.81	

Prodeck 800/66 - 1.2mm 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	23.59	18.06	14.27	11.56	9.55	8.03	6.84	5.90	5.14	4.52	4.00	3.57	3.20
	Inertia	33.76	22.62	15.89	11.58	8.70	6.70	5.27	4.22	3.43	2.83	2.36	1.99	1.69
	Reaction	16.16	14.14	12.57	11.31	10.28	9.43	8.70	8.08	7.54	7.07	6.65	6.29	5.95
	Limiting	16.16	14.14	12.57	11.31	8.70	6.70	5.27	4.22	3.43	2.83	2.36	1.99	1.69
Double	Moment	23.59	18.06	14.27	11.56	9.55	8.03	6.84	5.90	5.14	4.52	4.00	3.57	3.20
	Inertia	56.27	37.70	26.48	19.30	14.50	11.17	8.79	7.03	5.72	4.71	3.93	3.31	2.81
	Reaction	12.93	11.31	10.06	9.05	8.23	7.54	6.96	6.46	6.03	5.66	5.32	5.03	4.76
	Interaction	10.44	8.70	7.37	6.35	5.53	4.86	4.31	3.86	3.47	3.14	2.85	2.61	2.39
Limiting	10.44	8.70	7.37	6.35	5.53	4.86	4.31	3.86	3.47	3.14	2.85	2.61	2.39	
Multiple	Moment	29.49	22.58	17.84	14.45	11.94	10.03	8.55	7.37	6.42	5.64	5.00	4.46	4.00
	Inertia	56.27	37.70	26.48	19.30	14.50	11.17	8.79	7.03	5.72	4.71	3.93	3.31	2.81
	Reaction	14.69	12.86	11.43	10.28	9.35	8.57	7.91	7.35	6.86	6.43	6.05	5.71	5.41
	Interaction	12.26	10.24	8.71	7.51	6.56	5.78	5.14	4.60	4.15	3.76	3.42	3.13	2.88
Limiting	12.26	10.24	8.71	7.51	6.56	5.78	5.14	4.60	4.15	3.76	3.42	3.13	2.81	



'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](#)
- [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](#)

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