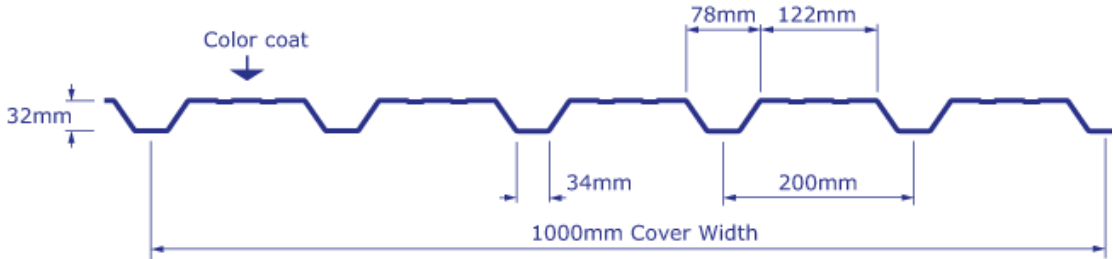




1000 / 32 Wall Reverse Profile (0.5mm)



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/150 under imposed load.

Load factor (working load to ultimate)	1.5 (in accordance with Eurocode).
Deflection for limit of span	L/150

POSITIVE loads parameters	0.5mm
Bottom flange in compression	
Moment capacity (kNm/m)	0.697
Inertia (cm ⁴ /m)	7.29
Bottom flange in tension	
Moment capacity (kNm/m)	0.824
Inertia (cm ⁴ /m)	7.288
Shear resistance (kN/m)	19.953
Web crushing mid (kN/m)	4.903
Web crushing end (kN/m)	2.452
Inertia gross section (cm ⁴ /m)	8.596

Proclad 1000 / 32 - 0.5mmSpan /Load Table - POSITIVE - Working load UDL (kN / m²)

POSITIVE		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	4.39	3.63	3.05	2.60	2.24	1.95	1.72	1.52	1.36	1.22	1.10	1.00	0.91
	Inertia	8.30	6.24	4.81	3.78	3.03	2.46	2.03	1.69	1.42	1.21	1.04	0.90	0.78
	Reaction	3.27	2.97	2.72	2.51	2.34	2.18	2.04	1.92	1.82	1.72	1.63	1.56	1.49
	Limiting	3.27	2.97	2.72	2.51	2.24	1.95	1.72	1.52	1.36	1.21	1.04	0.90	0.78
Double	Moment	3.72	3.07	2.58	2.20	1.90	1.65	1.45	1.29	1.15	1.03	0.93	0.84	0.77
	Inertia	13.84	10.40	8.01	6.30	5.04	4.10	3.38	2.82	2.37	2.02	1.73	1.49	1.30
	Reaction	2.61	2.38	2.18	2.01	1.87	1.74	1.63	1.54	1.45	1.38	1.31	1.25	1.19
	Interaction	1.92	1.68	1.48	1.31	1.18	1.06	0.96	0.88	0.80	0.74	0.68	0.63	0.58
	Limiting	1.92	1.68	1.48	1.31	1.18	1.06	0.96	0.88	0.80	0.74	0.68	0.63	0.58
Multiple	Moment	4.65	3.84	3.23	2.75	2.37	2.07	1.82	1.61	1.43	1.29	1.16	1.05	0.96
	Inertia	13.84	10.40	8.01	6.30	5.04	4.10	3.38	2.82	2.37	2.02	1.73	1.49	1.30
	Reaction	2.97	2.70	2.48	2.29	2.12	1.98	1.86	1.75	1.65	1.56	1.49	1.42	1.35
	Interaction	2.27	1.98	1.75	1.56	1.40	1.26	1.15	1.05	0.96	0.88	0.81	0.75	0.70
	Limiting	2.27	1.98	1.75	1.56	1.40	1.26	1.15	1.05	0.96	0.88	0.81	0.75	0.70

Load factor (working load to ultimate)	1.5 (in accordance with Eurocode).
Deflection for limit of span	L/150

NEGATIVE loads parameters	0.5mm
Bottom flange in compression	
Moment capacity (kNm/m)	0.824
Inertia (cm ⁴ /m)	7.288
Bottom flange in tension	
Moment capacity (kNm/m)	0.697
Inertia (cm ⁴ /m)	7.29
Shear resistance (kN/m)	19.953
Web crushing mid (kN/m)	4.903
Web crushing end (kN/m)	2.452
Inertia gross section (cm ⁴ /m)	8.596

Proclad 1000 / 32 - 0.5mmSpan /Load Table - NEGATIVE - Working load UDL (kN / m²)

NEGATIVE		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	3.72	3.07	2.58	2.20	1.90	1.65	1.45	1.29	1.15	1.03	0.93	0.84	0.77
	Inertia	8.31	6.24	4.81	3.78	3.03	2.46	2.03	1.69	1.42	1.21	1.04	0.90	0.78
	Reaction	3.27	2.97	2.72	2.51	2.34	2.18	2.04	1.92	1.82	1.72	1.63	1.56	1.49
	Limiting	3.27	2.97	2.58	2.20	1.90	1.65	1.45	1.29	1.15	1.03	0.93	0.84	0.77
Double	Moment	4.39	3.63	3.05	2.60	2.24	1.95	1.72	1.52	1.36	1.22	1.10	1.00	0.91
	Inertia	13.84	10.40	8.01	6.30	5.05	4.10	3.38	2.82	2.37	2.02	1.73	1.49	1.30
	Reaction	2.61	2.38	2.18	2.01	1.87	1.74	1.63	1.54	1.45	1.38	1.31	1.25	1.19
	Interaction	2.05	1.80	1.59	1.42	1.27	1.15	1.05	0.96	0.88	0.81	0.75	0.69	0.64
	Limiting	2.05	1.80	1.59	1.42	1.27	1.15	1.05	0.96	0.88	0.81	0.75	0.69	0.64
Multiple	Moment	5.49	4.54	3.81	3.25	2.80	2.44	2.15	1.90	1.70	1.52	1.37	1.25	1.13
	Inertia	13.84	10.40	8.01	6.30	5.05	4.10	3.38	2.82	2.37	2.02	1.73	1.49	1.30
	Reaction	2.97	2.70	2.48	2.29	2.12	1.98	1.86	1.75	1.65	1.56	1.49	1.42	1.35
	Interaction	2.41	2.12	1.88	1.68	1.51	1.37	1.24	1.14	1.05	0.96	0.89	0.83	0.77
	Limiting	2.41	2.12	1.88	1.68	1.51	1.37	1.24	1.14	1.05	0.96	0.89	0.83	0.77



'SCI Assessed Quality Mark'. This mark testifies that the [Steel Construction Institute \(SCI\)](#) has independently verified the technical data above.