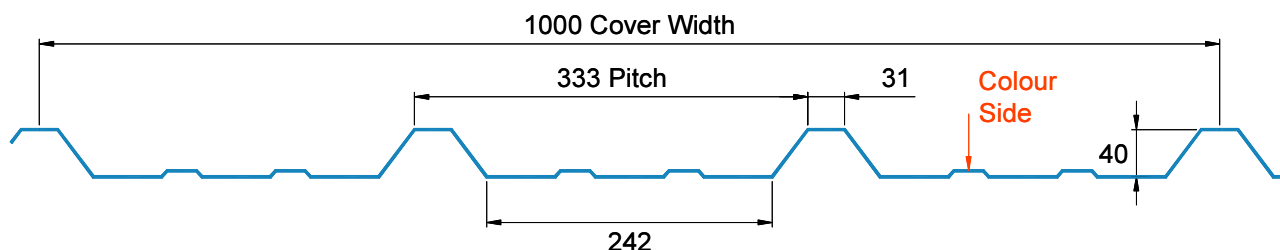


Span/load tables

R40 Roof profile - 0.9mm aluminium 170N/mm²



The span tables below have been created in accordance with EN 1999-1-4 (Eurocode EC9) For the use of roof cladding only.

The values are based on a maximum permitted deflection, span/ 200 under imposed load and span / 150 under wind suction load.

Safe Imposed (positive) Loads (kN/m²)

Span (m)	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2
Single span	8.00	6.40	5.33	4.56	3.99	3.55	3.19	2.78	2.13	1.67	1.33	1.08	0.88	0.73	0.61	-	-
Double span	6.62	5.07	4.05	3.34	2.81	2.41	2.09	1.83	1.62	1.45	1.30	1.18	1.07	0.98	0.90	0.83	0.76
Multi span	7.64	5.87	4.71	3.89	3.28	2.82	2.45	2.16	1.92	1.71	1.54	1.40	1.27	1.17	1.07	0.99	0.91

Safe Wind Suction (negative) Loads (kN/m²)

Span (m)	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2
Single span	30.75	19.69	13.68	10.06	7.70	6.09	4.94	4.08	3.44	2.93	2.35	1.92	1.59	1.33	1.12	-	-
Double span	32.59	20.86	14.49	10.65	8.16	6.45	5.23	4.33	3.64	3.10	2.68	2.34	2.06	1.82	1.63	1.46	1.32
Multi span	40.73	26.07	18.11	13.31	10.20	8.06	6.53	5.40	4.54	3.87	3.34	2.92	2.57	2.27	2.03	1.83	1.65

NOTES Black figures are stress limited, the load shown is the ultimate load divided by 1.5.

Blue figures are deflection limited.

These tables apply to the metal profile, a check on fastener capacity is also required.

Maximum allowable span 2000 mm limited by point load, tested to EN 14782 Annex B.

Profile selfweight 3.21 kg/m² is included, so is not required in the applied loads.

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