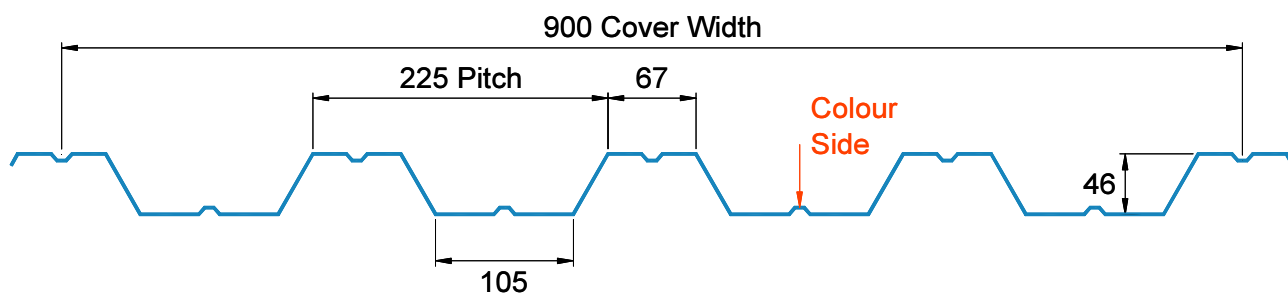


## Span/load tables

R46 Roof profile - 0.7mm steel 220N/mm<sup>2</sup>



The span tables below have been created in accordance with EN 1993-1-3 (Eurocode EC3) 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/m<sup>2</sup>)

Span (m)	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2
Single span	3.40	3.19	3.01	2.85	2.71	2.50	2.17	1.89	1.65	1.45	1.28	1.14	1.01	0.91	0.81	0.73	
Double span	2.15	1.97	1.82	1.68	1.56	1.45	1.36	1.27	1.19	1.12	1.05	0.99	0.94	0.89	0.84	0.80	0.76
Multi span	2.53	2.33	2.15	1.99	1.85	1.73	1.61	1.51	1.42	1.34	1.26	1.19	1.13	1.07	1.01	0.96	0.91

### Safe Wind Suction (negative) Loads (kN/m<sup>2</sup>)

Span (m)	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2
Single span	4.89	4.33	3.87	3.48	3.14	2.86	2.61	2.39	2.20	1.97	1.76	1.58	1.42	1.29	1.17	1.07	
Double span	5.17	4.58	4.09	3.68	3.32	3.02	2.76	2.53	2.32	2.14	1.99	1.85	1.72	1.61	1.50	1.41	1.33
Multi span	6.45	5.72	5.10	4.59	4.14	3.76	3.43	3.14	2.89	2.67	2.47	2.29	2.14	2.00	1.87	1.75	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.  
 A construction line load 1.5 kN/m has been allowed for.  
 Profile selfweight 7.33 kg/m<sup>2</sup> is included, so is not required in the applied loads.

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