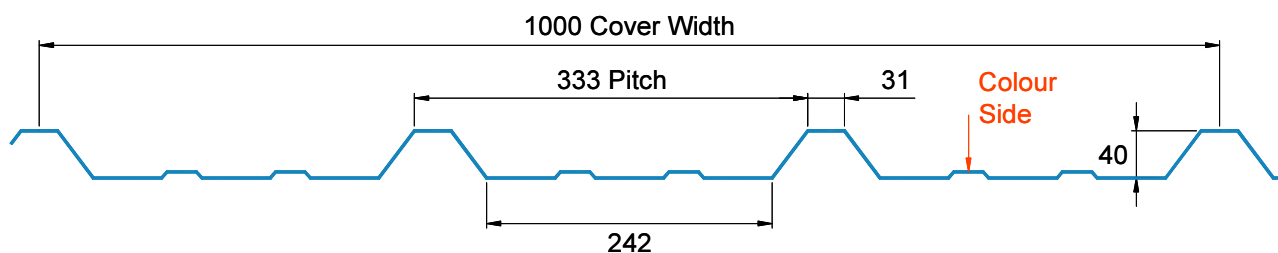


Span/load tables

R40 Roof profile - 0.7mm steel 220N/mm²



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/m²)

| Span (m) | 0.8 | 0.9 | 1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2 | 2.1 | 2.2 | 2.3 | 2.4 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Single span | 4.45 | 3.95 | 3.55 | 3.22 | 2.79 | 2.37 | 2.04 | 1.77 | 1.55 | 1.37 | 1.22 | 1.09 | 0.98 | 0.88 | 0.80 | 0.73 | 0.64 |
| Double span | 2.97 | 2.53 | 2.18 | 1.90 | 1.68 | 1.49 | 1.34 | 1.20 | 1.09 | 0.99 | 0.90 | 0.83 | 0.76 | 0.70 | 0.65 | 0.60 | - |
| Multi span | 3.48 | 2.97 | 2.58 | 2.25 | 1.99 | 1.78 | 1.59 | 1.44 | 1.30 | 1.19 | 1.09 | 1.00 | 0.92 | 0.85 | 0.79 | 0.73 | 0.68 |

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

| Span (m) | 0.8 | 0.9 | 1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2 | 2.1 | 2.2 | 2.3 | 2.4 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Single span | 7.35 | 5.82 | 4.72 | 3.91 | 3.29 | 2.81 | 2.43 | 2.12 | 1.87 | 1.66 | 1.49 | 1.34 | 1.21 | 1.10 | 1.01 | 0.93 | 0.86 |
| Double span | 6.43 | 5.09 | 4.13 | 3.42 | 2.88 | 2.46 | 2.13 | 1.86 | 1.64 | 1.46 | 1.30 | 1.17 | 1.06 | 0.97 | 0.89 | 0.82 | - |
| Multi span | 8.02 | 6.35 | 5.15 | 4.26 | 3.59 | 3.06 | 2.65 | 2.31 | 2.04 | 1.81 | 1.62 | 1.46 | 1.32 | 1.20 | 1.10 | 1.01 | 0.93 |

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 2400 mm limited by point load, tested to EN 14782 Annex B.

Profile selfweight 6.6 kg/m² is included, so is not required in the applied loads.

www.tatasteel.com

Tata Steel

Shotton, Deeside, Flintshire, CH5 2NH

T: +44 (0) 1244 892 199

F: +44 (0) 1244 892 121

sales.theworks@tatasteel.com

www.tatasteelconstruction.com

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