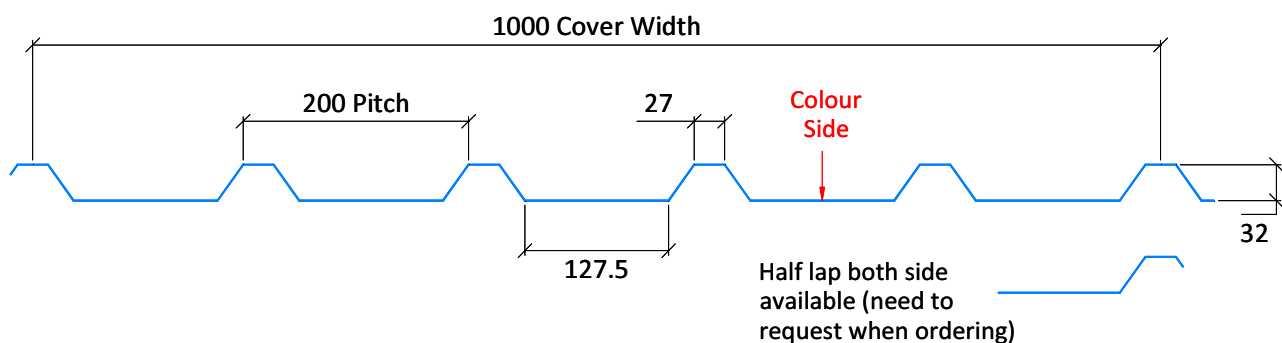


Span/load tables

R32 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 | 7.49 | 6.66 | 5.50 | 4.54 | 3.81 | 3.24 | 2.79 | 2.42 | 1.99 | 1.65 | 1.38 | 1.16 | 0.99 | 0.84 | 0.73 | 0.63 | - |
| Double span | 4.34 | 3.66 | 3.13 | 2.71 | 2.37 | 2.10 | 1.86 | 1.67 | 1.50 | 1.36 | 1.24 | 1.13 | 1.03 | 0.95 | 0.88 | 0.81 | 0.75 |
| Multi span | 5.14 | 4.34 | 3.73 | 3.24 | 2.84 | 2.51 | 2.24 | 2.01 | 1.81 | 1.64 | 1.50 | 1.37 | 1.26 | 1.16 | 1.07 | 0.99 | 0.92 |

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 | 8.43 | 6.67 | 5.41 | 4.48 | 3.77 | 3.22 | 2.78 | 2.43 | 2.07 | 1.74 | 1.47 | 1.26 | 1.09 | 0.95 | 0.84 | 0.74 | - |
| Double span | 8.70 | 6.89 | 5.59 | 4.62 | 3.89 | 3.32 | 2.87 | 2.51 | 2.21 | 1.96 | 1.75 | 1.58 | 1.43 | 1.30 | 1.19 | 1.09 | 1.01 |
| Multi span | 10.87 | 8.60 | 6.97 | 5.77 | 4.86 | 4.14 | 3.58 | 3.12 | 2.75 | 2.44 | 2.18 | 1.96 | 1.78 | 1.61 | 1.47 | 1.35 | 1.25 |

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

While care has been taken to ensure that the information contained in this publication is accurate, neither Tata Steel Europe Limited, nor its subsidiaries, accept responsibility or liability for errors or for information which is found to be misleading.

Copyright Jun-14
 Tata Steel Europe Limited