

Capital Coated Steel

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Span (load) tables

S19 Roof Profile - 0.9mm steel 220N/mm²



Safe imposed (gravity) 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 | 5.042 | 3.541 | 2.582 | 1.94 | 1.494 | 1.175 | 0.941 | 0.765 | 0.63 | 0.525 | 0.443 | 0.376 | 0.323 | 0.279 | 0.242 | 0.212 | 0.187 |
| Double Span | 6.178 | 4.881 | 3.954 | 3.233 | 2.49 | 1.958 | 1.568 | 1.275 | 1.05 | 0.876 | 0.738 | 0.627 | 0.538 | 0.465 | 0.404 | 0.354 | 0.311 |
| Multi Span | 7.723 | 5.902 | 4.303 | 3.233 | 2.49 | 1.958 | 1.568 | 1.275 | 1.05 | 0.876 | 0.738 | 0.627 | 0.538 | 0.465 | 0.404 | 0.354 | 0.311 |

Safe wind suction (uplift) 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 | 5.042 | 3.541 | 2.582 | 1.94 | 1.494 | 1.175 | 0.941 | 0.765 | 0.63 | 0.525 | 0.443 | 0.376 | 0.323 | 0.279 | 0.242 | 0.212 | 0.187 |
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| Multi Span | 7.723 | 5.902 | 4.303 | 3.233 | 2.49 | 1.958 | 1.568 | 1.275 | 1.05 | 0.876 | 0.738 | 0.627 | 0.538 | 0.465 | 0.404 | 0.354 | 0.311 |

Notes

The span tables above have been produced for roof cladding applications and were created in accordance with EN 1993-1-3 (Eurocode EC3).

Purple figures are deflection limited.

The values are based on a maximum permitted deflection

Imposed loads - L/200

Suction loads - L/200

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