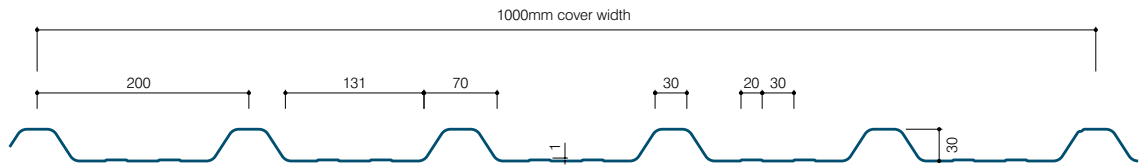


AS SERIES ROOF & WALL PROFILES

AS30/1000 roof profile

A deep profile roof sheet available in 0.5mm and 0.7mm thicknesses. The male underlapping sheet edge has a support leg and an anti-siphonic groove.



AS30/1000R steel roof profile • Thickness 0.5mm • Weight 4.57 kg/m²

| | | | | | | | | | | | | | | | | | |
|--|--|--|-------------|---|-------------|-------------|-------------|------|------|------|------|------|------|------|------|------|------|
| Bottom flange in compression Moment capacity: 0.653 kNm/m Moment of inertia: 5.490 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.582 kNm/m Moment of inertia: 5.866 cm ⁴ /m | | Support width: 40mm Web crushing: 5.013 kN/m Youngs modulus E: 210 kN/mm ² | | | | | | | | | | | | | |
| Imposed load | Working load UDL (kN/m ²) Deflection limit L/200 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 2.16 | 1.84 | 1.58 | 1.38 | 1.21 | 1.01 | 0.85 | 0.72 | 0.62 | 0.54 | 0.47 | 0.41 | 0.36 | 0.32 | 0.28 | 0.25 | 0.23 |
| Double | 1.45 | 1.29 | 1.15 | 1.04 | 0.94 | 0.85 | 0.78 | 0.72 | 0.66 | 0.61 | 0.56 | 0.53 | 0.49 | 0.46 | 0.43 | 0.40 | 0.38 |
| Multiple | 1.72 | 1.53 | 1.37 | 1.24 | 1.12 | 1.02 | 0.94 | 0.86 | 0.79 | 0.73 | 0.68 | 0.63 | 0.59 | 0.53 | 0.47 | 0.42 | 0.38 |
| Bottom flange in compression Moment capacity: 0.582 kNm/m Moment of inertia: 5.866 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.653 kNm/m Moment of inertia: 5.490 cm ⁴ /m | | Support width: 40mm Web crushing: 5.013 kN/m Young modulus: 210 kN/mm ² | | | | | | | | | | | | | |
| Wind uplift load | Working load UDL (kN/m ²) Deflection limit L/90 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 2.42 | 2.06 | 1.78 | 1.55 | 1.36 | 1.21 | 1.07 | 0.96 | 0.87 | 0.79 | 0.72 | 0.66 | 0.60 | 0.56 | 0.52 | 0.48 | 0.44 |
| Double | 1.37 | 1.21 | 1.08 | 0.97 | 0.88 | 0.80 | 0.73 | 0.67 | 0.61 | 0.57 | 0.52 | 0.49 | 0.45 | 0.42 | 0.40 | 0.37 | 0.35 |
| Multiple | 1.63 | 1.45 | 1.29 | 1.16 | 1.05 | 0.96 | 0.88 | 0.80 | 0.74 | 0.68 | 0.63 | 0.59 | 0.55 | 0.51 | 0.48 | 0.45 | 0.42 |
| Bottom flange in compression Moment capacity: 0.653 kNm/m Moment of inertia: 5.490 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.582 kNm/m Moment of inertia: 5.866 cm ⁴ /m | | Support width: 40mm Web crushing: 5.013 kN/m Youngs modulus E: 210 kN/mm ² | | | | | | | | | | | | | |
| Snow drift load | Working load UDL (kN/m ²) Deflection limit L/200 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 3.23 | 2.76 | 2.38 | 2.07 | 1.82 | 1.61 | 1.44 | 1.29 | 1.16 | 1.06 | 0.96 | 0.88 | 0.81 | 0.74 | 0.69 | 0.64 | 0.59 |
| Double | 2.17 | 1.93 | 1.73 | 1.55 | 1.41 | 1.28 | 1.17 | 1.07 | 0.99 | 0.91 | 0.85 | 0.79 | 0.73 | 0.69 | 0.64 | 0.60 | 0.57 |
| Multiple | 2.58 | 2.30 | 2.06 | 1.86 | 1.68 | 1.53 | 1.40 | 1.29 | 1.19 | 1.10 | 1.02 | 0.95 | 0.89 | 0.83 | 0.78 | 0.73 | 0.69 |

AS30/1000R steel roof profile • Thickness 0.7mm • Weight 6.49 kg/m²

| | | | | | | | | | | | | | | | | | |
|--|--|--|-------------|--|-------------|-------------|-------------|------|------|------|------|------|------|------|------|------|------|
| Bottom flange in compression Moment capacity: 0.986 kNm/m Moment of inertia: 8.956 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.970 kNm/m Moment of inertia: 9.521 cm ⁴ /m | | Support width: 40mm Web crushing: 10.965 kN/m Youngs modulus E: 210 kN/mm ² | | | | | | | | | | | | | |
| Imposed load | Working load UDL (kN/m ²) Deflection limit L/200 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 3.59 | 3.06 | 2.64 | 2.30 | 1.89 | 1.58 | 1.33 | 1.13 | 0.97 | 0.84 | 0.73 | 0.64 | 0.56 | 0.50 | 0.44 | 0.39 | 0.35 |
| Double | 2.61 | 2.30 | 2.04 | 1.83 | 1.64 | 1.49 | 1.35 | 1.24 | 1.13 | 1.04 | 0.96 | 0.89 | 0.83 | 0.77 | 0.72 | 0.66 | 0.59 |
| Multiple | 3.13 | 2.76 | 2.46 | 2.20 | 1.98 | 1.80 | 1.64 | 1.50 | 1.37 | 1.27 | 1.17 | 1.06 | 0.94 | 0.83 | 0.74 | 0.66 | 0.59 |
| Bottom flange in compression Moment capacity: 0.970 kNm/m Moment of inertia: 9.521 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.986 kNm/m Moment of inertia: 8.956 cm ⁴ /m | | Support width: 40mm Web crushing: 10.965 kN/m Youngs modulus E: 210 kN/mm ² | | | | | | | | | | | | | |
| Wind uplift load | Working load UDL (kN/m ²) Deflection limit L/90 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 3.65 | 3.11 | 2.68 | 2.34 | 2.05 | 1.82 | 1.62 | 1.46 | 1.31 | 1.19 | 1.09 | 0.99 | 0.91 | 0.84 | 0.78 | 0.72 | 0.67 |
| Double | 2.59 | 2.28 | 2.02 | 1.81 | 1.63 | 1.47 | 1.34 | 1.22 | 1.12 | 1.03 | 0.95 | 0.88 | 0.82 | 0.76 | 0.71 | 0.67 | 0.63 |
| Multiple | 3.10 | 2.74 | 2.43 | 2.18 | 1.96 | 1.78 | 1.62 | 1.48 | 1.36 | 1.25 | 1.16 | 1.07 | 1.00 | 0.93 | 0.87 | 0.82 | 0.77 |
| Bottom flange in compression Moment capacity: 0.986 kNm/m Moment of inertia: 8.956 cm ⁴ /m | | Bottom flange in tension Moment capacity: 0.970 kNm/m Moment of inertia: 9.521 cm ⁴ /m | | Support width: 40mm Web crushing: 10.965 kN/m Youngs modulus E: 210 kN/mm ² | | | | | | | | | | | | | |
| Snow drift load | Working load UDL (kN/m ²) Deflection limit L/200 | | | | | | | | | | | | | | | | |
| Span / m | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 |
| Single | 5.39 | 4.59 | 3.96 | 3.45 | 3.03 | 2.69 | 2.40 | 2.15 | 1.94 | 1.76 | 1.60 | 1.47 | 1.35 | 1.24 | 1.15 | 1.06 | 0.99 |
| Double | 3.91 | 3.45 | 3.06 | 2.74 | 2.47 | 2.23 | 2.03 | 1.85 | 1.70 | 1.57 | 1.45 | 1.34 | 1.25 | 1.16 | 1.08 | 1.01 | 0.95 |
| Multiple | 4.69 | 4.14 | 3.68 | 3.30 | 2.98 | 2.70 | 2.45 | 2.25 | 2.06 | 1.90 | 1.76 | 1.63 | 1.52 | 1.41 | 1.32 | 1.24 | 1.16 |

Bold type: Spans between 1.20 -1.80m Non-fragile **Normal type:** Spans above 1.80m Fragile