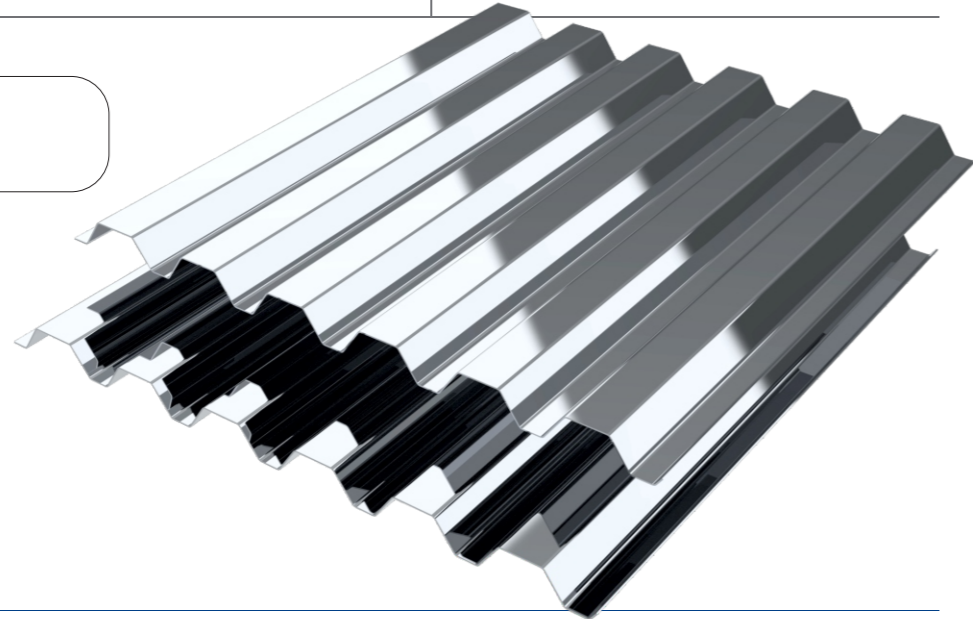


Decking Sheet

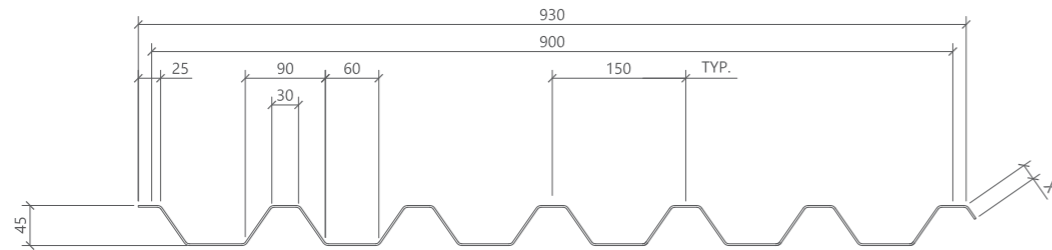
Specification

| Thickness | Steel Grade | Coating |
|------------------|--|--|
| 0.6 mm to 1.0 mm | ASTM A653 Ss50 Class 1. Equivalent grade shall be provided as per Client project requirement. | Hot-dip galvanization of zinc coat 275 gsm (G90). Other equivalent coating shall be provided as per Client project requirement |

AM 45/150®



Design Information



| Nominal Thickness (mm) | Nominal weight (kg/m ²) | I _{xdefl} (cm ⁴) | Top in Compression | | | Bottom in Compression | | |
|------------------------|-------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|--|------------------------------------|---------------------------------------|--|
| | | | I _{xe} (cm ⁴) | S _{x-Top} (cm ³) | S _{x-bottom} (cm ³) | I _{xe} (cm ⁴) | S _{x-Top} (cm ³) | S _{x-bottom} (cm ³) |
| 0.60 | 6.33 | 24.60 | 16.14 | 6.56 | 7.38 | 22.46 | 13.25 | 7.60 |
| 0.70 | 7.39 | 28.69 | 19.65 | 8.14 | 8.74 | 27.07 | 15.58 | 9.26 |
| 0.80 | 8.44 | 32.78 | 23.33 | 9.86 | 10.13 | 31.76 | 17.90 | 10.97 |
| 0.90 | 9.49 | 36.88 | 27.24 | 11.74 | 11.54 | 36.20 | 20.16 | 12.55 |
| 1.00 | 10.55 | 40.97 | 31.43 | 13.84 | 12.99 | 40.51 | 22.38 | 14.07 |

ALLOWABLE UNIFORM LOAD IN kN/m²

| Panel Thickness | Span Type | Clear Span | | | | | | | | | | | |
|-----------------|----------------|----------------|----------------|----------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 1.00 | 1.25 | 1.50 | 1.75 | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.25 | 3.50 | 3.75 |
| 0.6 | Single | 10.86 19.31 | 6.95 9.89 | 4.83 5.72 | 3.55 3.60 | 2.72 2.41 | 2.15 1.69 | 1.74 1.24 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Double | 12.58 46.50 | 8.05 23.80 | 5.59 13.78 | 4.11 8.68 | 3.15 5.81 | 2.49 4.09 | 2.01 2.98 | 1.66 2.24 | 1.40 1.72 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Triple or More | 15.73 36.39 | 10.07 18.63 | 6.99 10.78 | 5.14 6.79 | 3.93 4.55 | 3.11 3.19 | 2.52 2.33 | 2.08 1.75 | 1.75 1.35 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 0.7 | Single | 13.48 22.52 | 8.63 11.53 | 5.99 6.67 | 4.40 4.20 | 3.37 2.82 | 2.66 1.98 | 2.16 1.44 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Double | 15.33 54.22 | 9.81 27.76 | 6.81 16.06 | 5.00 10.12 | 3.83 6.78 | 3.03 4.76 | 2.46 3.47 | 2.03 2.60 | 1.70 2.00 | 1.45 1.58 | 0.00 0.00 | 0.00 0.00 |
| | Triple or More | 19.17 42.44 | 12.27 21.73 | 8.52 12.57 | 6.26 7.92 | 4.79 5.31 | 3.79 3.73 | 3.07 2.72 | 2.53 2.04 | 2.13 1.57 | 1.82 1.24 | 0.00 0.00 | 0.00 0.00 |
| 0.8 | Single | 16.33 25.74 | 10.45 13.18 | 7.26 7.63 | 5.33 4.80 | 4.08 3.22 | 3.22 2.26 | 2.61 1.65 | 2.16 1.24 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Double | 18.17 61.96 | 11.63 31.72 | 8.08 18.36 | 5.93 11.56 | 4.54 7.75 | 3.59 5.44 | 2.91 3.97 | 2.40 2.98 | 2.02 2.29 | 1.72 1.80 | 1.48 1.44 | 0.00 0.00 |
| | Triple or More | 22.70 48.49 | 14.53 24.83 | 10.09 14.37 | 7.41 9.05 | 5.68 6.06 | 4.48 4.26 | 3.63 3.10 | 3.00 2.33 | 2.52 1.80 | 2.15 1.41 | 0.00 0.00 | 0.00 0.00 |
| 0.9 | Single | 19.44 28.95 | 12.44 14.82 | 8.64 8.58 | 6.35 5.40 | 4.86 3.62 | 3.84 2.54 | 3.11 1.85 | 2.57 1.39 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Double | 20.78 69.70 | 13.30 44.61 | 9.23 30.98 | 6.78 13.00 | 5.20 8.71 | 4.10 6.12 | 3.32 4.46 | 2.75 3.35 | 2.31 2.58 | 1.97 2.03 | 1.70 1.63 | 1.48 1.32 |
| | Triple or More | 25.98 54.55 | 16.63 27.93 | 11.55 16.16 | 8.48 10.18 | 6.50 6.82 | 5.13 4.79 | 4.16 3.49 | 3.44 2.62 | 2.89 2.02 | 2.46 1.59 | 2.12 1.27 | 0.00 0.00 |
| 1.0 | Single | 22.92 32.17 | 14.67 16.47 | 10.19 9.53 | 7.48 6.00 | 5.73 4.02 | 4.53 2.82 | 3.67 2.06 | 3.03 1.55 | 2.55 1.19 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | Double | 23.30 77.43 | 14.91 39.65 | 10.35 22.94 | 7.61 14.45 | 5.83 9.68 | 4.60 6.80 | 3.73 4.96 | 3.08 3.72 | 2.59 2.87 | 2.21 2.26 | 1.90 1.81 | 1.66 1.47 |
| | Triple or More | 29.13 60.60 | 18.64 31.03 | 12.95 17.96 | 9.51 11.31 | 7.28 7.58 | 5.75 5.32 | 4.66 3.88 | 3.85 2.91 | 3.24 2.24 | 2.76 1.76 | 2.38 1.41 | 2.07 1.15 |

