

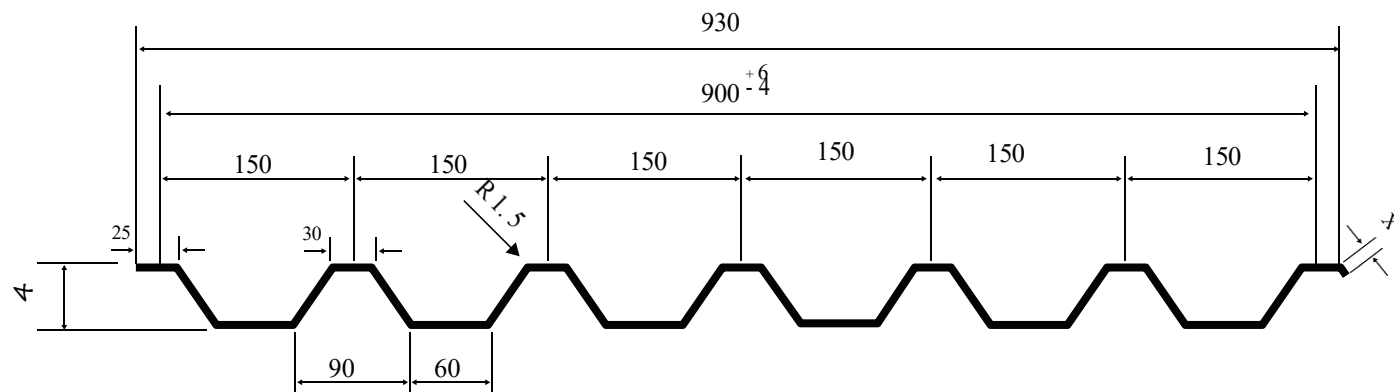
DECKING SHEETS

DSD 45/150 Decking Sheets



SECTION PROPERTIES (per meter of coverage width)

| Thickness | Weight | Area | Top in Compression | | | Bottom in Compression | | | Shear | | |
|-----------|-------------------|-----------------|--------------------|------------------------|---------------------------|-----------------------|--------------------|------------------------|---------------------------|---------|--------|
| (mm) | Kg/m ² | cm ² | ix cm ⁴ | Sx Top cm ³ | Sx Bottom cm ³ | Ma KN-m | ix cm ⁴ | Sx Top cm ³ | Sx Bottom cm ³ | Ma KN-m | Va KN |
| 0.70 | 7.433 | 9.481 | 27.414 | 11.227 | 13.041 | 3.733 | 27.511 | 11.456 | 12.841 | 3.809 | 60.057 |
| 0.80 | 8.494 | 10.863 | 31.743 | 13.103 | 14.920 | 4.127 | 31.670 | 13.097 | 14.887 | 4.127 | 74.122 |
| 0.90 | 9.57 | 12.190 | 35.577 | 14.671 | 16.691 | 4.621 | 35.577 | 14.672 | 16.693 | 4.623 | 83.178 |
| 1.00 | 10.618 | 13.544 | 39.450 | 16.221 | 18.422 | 5.110 | 39.377 | 16.222 | 18.444 | 5.111 | 92.189 |



Specification

- Aluminium profiled sheet is 0.5 mm up to 1.2 mm thick alloy A3105-H16 Temper from tension leveled coils. Different alloy can be supplied on request.
- GI and Alu Zinc coated steel profile sheets 0.4 to 0.9 mm thick as per ASTM A 653 for GI and ASTM A 792 for Alu Zinc. Different grades can be supplied on request.
- Painting is baked regular modified enamel polyester, with 5 micron primer and 20 micron coat on the weathering side and 5/7 micron primer on the reverse. PVDF, Silicon, Modified Polyester, Platisol and ARS coating on request is applicable.

ULTIMATE UNIFORM LOAD CAPACITIES (KN/m²)

| (mm) | No's | Span in Meters | | | | | | |
|------|--------------|----------------|-------|-------|------|------|------|------|
| | | 1 | 1.25 | 1.5 | 1.75 | 2 | 2.25 | 2.5 |
| 0.70 | Single Spans | 16.16 | 10.33 | 6.44 | 4.06 | 2.72 | 1.92 | 1.40 |
| | Multi Spans | 20.03 | 12.94 | 8.99 | 6.60 | 5.06 | 3.7 | 2.63 |
| 0.80 | Single Spans | 18.34 | 11.74 | 7.36 | 4.64 | 3.2 | 2.19 | 1.60 |
| | Multi Spans | 22.94 | 14.47 | 10.20 | 7.49 | 5.74 | 4.12 | 4 |
| 0.90 | Single Spans | 20.73 | 13.27 | 8.28 | 5.22 | 3.50 | 2.46 | 1.80 |
| | Multi Spans | 25.93 | 16.59 | 11.52 | 8.47 | 6.49 | 4.63 | 3.38 |
| 1.00 | Single Spans | 22.98 | 14.8 | 9.20 | 5.80 | 3.89 | 2.73 | 2.00 |
| | Multi Spans | 28.75 | 18.40 | 12.78 | 9.39 | 7.19 | 5.15 | 3.76 |