MS GI Sheet Weight Chart

Updated 8 November 2026 · Checked against IS 2062:2011, IS 1730

Gauge	Thickness	Weight per m²	8 × 4 ft sheet	1250 × 2500 mm sheet
10 SWG	3.25 mm	25.51 kg	75.85 kg	79.73 kg
12 SWG	2.64 mm	20.72 kg	61.61 kg	64.76 kg
14 SWG	2.03 mm	15.94 kg	47.37 kg	49.80 kg
16 SWG	1.63 mm	12.80 kg	38.04 kg	39.99 kg
18 SWG	1.22 mm	9.58 kg	28.47 kg	29.93 kg
20 SWG	0.914 mm	7.17 kg	21.33 kg	22.42 kg
22 SWG	0.711 mm	5.58 kg	16.59 kg	17.44 kg
24 SWG	0.559 mm	4.39 kg	13.05 kg	13.71 kg
26 SWG	0.457 mm	3.59 kg	10.67 kg	11.21 kg
28 SWG	0.376 mm	2.95 kg	8.77 kg	9.22 kg
30 SWG	0.315 mm	2.47 kg	7.35 kg	7.73 kg

Thickness	Weight per m²	8 × 4 ft sheet	10 × 4 ft sheet
0.5 mm	3.92 kg	11.67 kg	14.59 kg
0.8 mm	6.28 kg	18.67 kg	23.34 kg
1 mm	7.85 kg	23.34 kg	29.17 kg
1.2 mm	9.42 kg	28.00 kg	35.01 kg
1.5 mm	11.77 kg	35.01 kg	43.76 kg
1.6 mm	12.56 kg	37.34 kg	46.67 kg
2 mm	15.70 kg	46.67 kg	58.34 kg
2.5 mm	19.62 kg	58.34 kg	72.93 kg
3 mm	23.55 kg	70.01 kg	87.51 kg

Based on steel density 7.85 g/cm³. GI sheets carry a thin zinc coating, so real GI weight is slightly higher than the bare steel figure.

Sheet Weight Formula

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Weight (kg) = Length (m) × Width (m) × Thickness (mm) × 7.85
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For an 8 × 4 ft sheet, the area is 1.2192 m × 2.4384 m = 2.973 m². So **weight = 2.973 × thickness (mm) × 7.85 = 23.34 kg per mm of thickness**.

Example: an 18 gauge (1.22 mm) 8 × 4 sheet weighs 2.973 × 1.22 × 7.85 = **28.47 kg**.

Sources & Standards

- IS 2062:2011 – Hot rolled structural steel
- IS 1730 – Dimensions for steel plates, sheets and strips
- Density of mild steel: 7,850 kg/m³ (7.85 g/cm³); SS 304: 7,930 kg/m³

Weights are theoretical. Found an error? Tell us and we will fix it.