

A250 Plate

Item Name	Length	KG/M ²
3mm Plate *	* A large range of widths and lengths as well as cut to size are available. There is also a large range of Q&T PLATE available on request.	23.55
4mm Plate *		31.4
5mm Plate *		39.25
6mm Plate *		47.1
8mm Plate *		62.8
10mm Plate *		78.5
12mm Plate *		94.2
16mm Plate *		125.6
20mm Plate *		157
25mm Plate *		196.25
28mm Plate *		219.8
32mm Plate *		251.2
36mm Plate *		282.6
40mm Plate *		314
45mm Plate *		353.25
50mm Plate *		392.5
55mm Plate *	431.75	
60mm Plate *	471	
70mm Plate *	549.5	
80mm Plate *	628	
90mm Plate *	706.5	
100mm Plate *	785	
110mm Plate *	863.5	
120mm Plate *	942	
140mm Plate *	1099	
150mm Plate *	1177.5	

Floor Plate

Item Name	KG/M ²
2.1 Floorplate	18.49
3.0 Floorplate	25.55
5.0 Floorplate	41.25
6.0 Floorplate	49.1
8.0 Floorplate	64.8

To calculate the mass of mild steel plate & flat:

Length X Width X thickness X 7850kg

Eg: For a 10mm plate @ 2400mm x 1700mm

$2.4 \times 1.7 \times 0.01 \times 7850 = 320.28\text{kg}$

Eg: For a 200 x 6 flat bar @ 1200mm

$1.2 \times 0.2 \times 0.006 \times 7850 = 11.304\text{kg}$

Note: * Most price books have an extra 2.5% added onto the weight of merchant bar as a rolling tolerance.

* Add 2 kg per square metre for Floorplate.

* To calculate the mass of aluminium:

Length x width x thickness x 2710 kg

* To calculate the mass of stainless steel: