北京岳洋科技有限公司
BEIJING YUEYANG TECHNOLOGY CO., LTD.
www.yyppgi.com
Tel / WhatsApp / WeChat: +86 139 1146 2566
info@yyppgi.com

Area per Ton

How many square metres of coated steel come out of one ton — by thickness

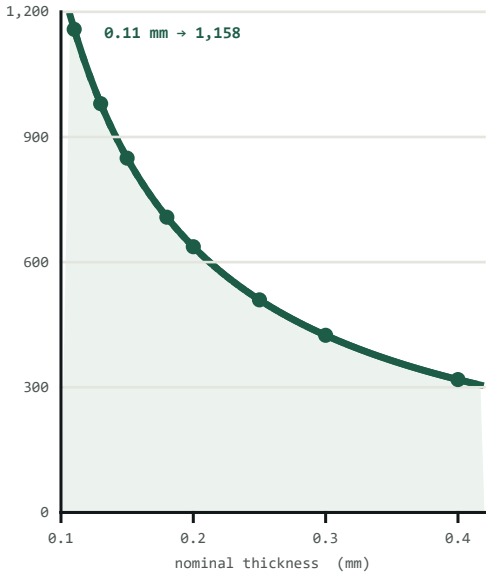
Almost every first quotation comes down to this one number. It is fixed by two things only: steel density (7.85 kg/dm³) and nominal thickness — nothing else. The figures below cover every thickness we roll, with the area a full 2-ton coil actually delivers.

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AREA PER TON (m²)  =  1,000 ÷ ( 7.85 × nominal thickness in mm )
MASS PER m² (kg)   =  7.85 × nominal thickness in mm
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AREA BY THICKNESS

THICKNESS mm	kg / m²	m² / ton	m² / 2t coil
0.11	0.86	1,158	2,316
0.13	1.02	980	1,960
0.15	1.18	849	1,699
0.18	1.41	708	1,415
0.20	1.57	637	1,274
0.25	1.96	510	1,019
0.30	2.35	425	849
0.40	3.14	318	637

m² PER TON vs THICKNESS



half the thickness ≈ double the area

Reading the numbers

BASIS	Nominal (base metal) thickness, excluding coating. Invoiced weight always governs.
COATING	Zinc plus paint adds roughly 3–4 %, so real area per ton runs about 3–4 % below the table.
TOLERANCE	±0.01 mm of thickness costs about 4 % of area at 0.20 mm — ask for mill tolerance in writing.
CUT-TO-SIZE	Allow 5 % over net requirement for edge trim and offcuts.
UNITS	1 metric ton = 1,000 kg. For US short tons (2,000 lb), multiply the area by 1.102.

SCAN FOR WHATSAPP

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IN PRACTICE
800 m² of 0.18 mm panelling   →   800 × 1.41 kg   ≈   1.13 t
One 2t coil of 0.25 mm   →   1,019 m²   ≈   1,019 m of 1,000 mm-wide strip
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