

HA250 FLOOR PLATE

Hot-Rolled – Structural Floor Plate

Revision: 31/1/2012

GENERAL DESCRIPTION

Hot Rolled HA250 Floor plate is a structural floor plate with a guaranteed minimum yield strength of 250MPa suitable for simple forming and bending.

APPLICATIONS

- Galvanizing applications
- General fabrication

STANDARDS

- AS/NZS 1594:2002
- AS/NZS 1365:1996

	2.8 – 2.9mm	3.0 – 4.9mm	4.9 – 10.00mm	2.8 – 2.9mm	3.0 – 4.9mm	4.9 – 10.00mm
CHEMICAL COMPOSITION	TYPICAL (wt %)			EXPECTED MAXIMUM (wt %)^[1]		
Carbon (C)	0.05	0.08	0.17	0.20	0.20	0.520
Silicon (Si)	0.007	0.008	0.008	0.030	0.030	0.030
Manganese (Mn)	0.20	0.60	0.60	1.20	1.20	1.20
Sulphur (S)	0.017	0.017	0.016	0.030	0.030	0.030
Phosphorus (P)	0.014	0.016	0.014	0.040	0.040	0.040

^[1] Values shown refer to relevant Australian/ New Zealand standard unless tighter internal limits are applied.

MECHANICAL PROPERTIES	TYPICAL	EXPECTED MINIMUM
Yield Strength, MPa	290	250
Tensile Strength, MPa	420	350
Elongation, % on L ₀ =200mm	34	–

STANDARD PLATE SIZES	
THICKNESS (mm)	WIDTH (mm) x LENGTH (mm)
3.0	1220 x 2400
4 – 10	1220 x 2400
	1520 x 3600

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
2.80 - 3.20	730 – 1240
3.21 – 10.00	730 - 1540

These dimensions are a reflection of technical capability to produce. Supply conditions may be subject to dimensional restrictions and is subject to New Zealand Steel Marketing confirmation. Other dimensional combinations may be available by enquiry.

FABRICATING PERFORMANCE 1 = Limited 5 = Excellent	
METHOD	RATING
Bending	3
Welding	5

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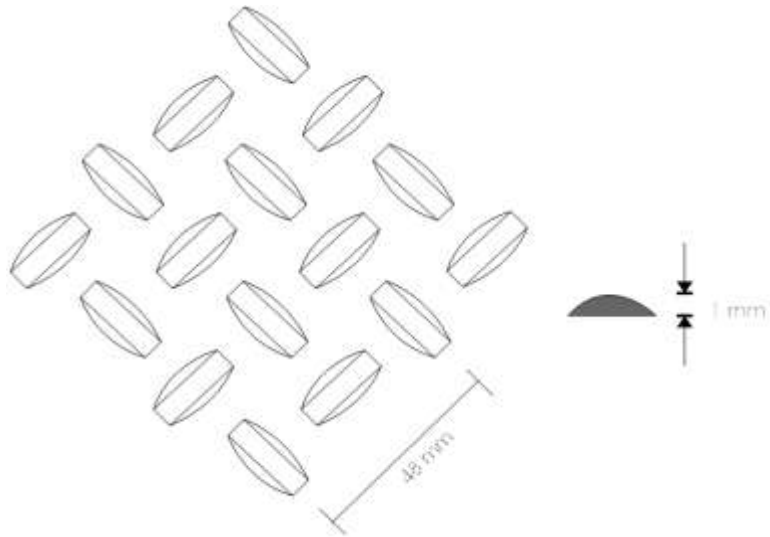
Data Sheet

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AVAILABLE FORMS	
DRY	PICKLED & OILED
Mill edge coil Coil-plate	Not available



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