

Data Sheet

FLOOR PLATE G250

NZ STANDARD

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

INTERNATIONAL STANDARDS

- JISG 3101- SS400
- ASTM A36
- EN 10025-2-S235JR

PRODUCT DESCRIPTION

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

SUPPLY CONDITIONS

- Thickness Range 3.0mm—10mm
- Tolerances AS1365 or equivalent
- Surface finish Floorplate

TYPICAL USES

- Galvanising applications
- General fabrication

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CHEMICAL COMPOSITION

Element	Guaranteed Maximum	Typical %/ Thickness (mm)	
		3.0 ≤ t < 5.0	5.0 ≤ t < 10.0
Carbon	0.20	0.08	0.17
Silicon	0.03	0.008	0.008
Manganese	1.20	0.60	0.60
Phosphorus	0.040	0.014	0.014
Sulphur	0.030	0.017	0.016

MECHANICAL PROPERTIES

Typical Properties (Transverse)		Thickness Range (mm)
		3.0 < t ≤ 10.0
Guaranteed Min.	Yield Strength (MPa)	250
	Tensile Strength (MPa)	350
Typical	Yield Strength (MPa)	290
	Tensile Strength (MPa)	420

FABRICATING PERFORMANCE

1 = Limited 5 = Excellent

METHOD	RATING
Bending	3
Welding	5

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