

Data Sheet

MILD STEEL LIGHT PLATE G300

NZ STANDARD

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

INTERNATIONAL STANDARDS

- JISG 3101- SS400
- ASTM A 1011 SS Grade 40
- EN 10025-2-S275JR

PRODUCT DESCRIPTION

- Hot rolled structural product with yield strength of 300MPa, good ductility and good weldability.

SUPPLY CONDITIONS

- Thickness Range 1.6mm—12mm
- Tolerances AS1365 or equivalent
- Flatness Class A

TYPICAL USES

- Structural members
- Roll forming applications
- Press brake forming applications
- General fabrication

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CHEMICAL COMPOSITION

Element	Guaranteed Maximum	Typical %/ Thickness (mm)
		2.0 ≤ t < 12.0
Carbon	0.20	0.15
Silicon	0.03	0.010
Manganese	1.60	0.75
Phosphorus	0.040	0.015
Sulphur	0.030	0.010

MECHANICAL PROPERTIES

Typical Properties (Transverse)		Thickness Range (mm)
		12.0
Guaranteed Min.	Yield Strength (MPa)	300
	Tensile Strength (MPa)	400
Typical	Yield Strength (MPa)	320-390
	Tensile Strength (MPa)	420-500

FABRICATING PERFORMANCE

1 = Limited 5 = Excellent

METHOD	RATING
Galvanising Pressing	5
Bending	3
Roll forming	4
Welding	3

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