



Data Sheet

HW350

Hot-Rolled – Structural Weather Resistant

Revision: 31/1/2012

HR

GENERAL DESCRIPTION

Hot Rolled HW 350 steel is a structural steel with a guaranteed minimum yield strength of 340MPa, with improved resistance to atmospheric corrosion.

APPLICATIONS

- Galvanizing applications
- General fabrication

STANDARDS

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

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.09	0.15
Silicon (Si)	0.45	0.75
Manganese (Mn)	0.80	1.60
Sulphur (S)	0.010	0.030
Phosphorus (P)	0.090	0.160
Copper	0.25	0.50
Chromium	0.70	1.05
Nickel	0.20	0.55

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

MECHANICAL PROPERTIES	TYPICAL	EXPECTED MINIMUM
Yield Strength, MPa	420	340
Tensile Strength, MPa	550	450
Elongation, % on L ₀ =200mm	22	15

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

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
3, 4, 5, 6	1250

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.

FABRICATING PERFORMANCE	
1 = Limited 5 = Excellent	
METHOD	RATING
Drawing	1
Pressing	2
Bending	3
Roll forming	3
Welding	4

STANDARD PLATE SIZES	
THICKNESS (mm)	
3, 4, 5, 6	1250 x 2500

New Zealand Steel Limited

Auckland
 Tel. +64 9 375 8999
 Fax. +64 9 375 8213
 A BlueScope Steel Company

www.nzsteel.co.nz
 nzsteel@bluescopesteel.com
 Copyright © 2012 New Zealand Steel Limited