



Data Sheet

NZCC-4D

Cold-Rolled

Revision: 31/1/2012

CR

GENERAL DESCRIPTION

Cold rolled, annealed and temper rolled (re-rolled) steel of commercial quality, capable of modest bending and with a surface finish suitable for painting and exposed non-critical applications.

APPLICATIONS

- Shelving
- Brackets
- Automotive parts

STANDARDS

- AS/NZS 1365:1996
- NZ Steel Standard

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.050	0.070
Silicon (Si)	0.003	0.030
Manganese (Mn)	0.200	0.250
Sulphur (S)	0.020	0.030
Phosphorus (P)	0.015	0.030

MECHANICAL PROPERTIES	TYPICAL	EXPECTED
0.2% Proof Stress, MPa	410	350 – 470
Tensile strength, MPa	430	370 – 490
Elongation, % on L ₀ = 50mm	20	10% Min
HRB Hardness	78	70 - 85

Material should be used promptly (within 6 months) to avoid the possibility of storage related corrosion and degradation.

Mechanical properties are given for ambient/room temperatures. Please consult technical representatives at New Zealand Steel for high/low temperature use.

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

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
0.5 – 2.0	660 - 1300

Other dimensional combinations may be available by enquiry.

SURFACE FINISHES
Semi-bright finish suitable for painting and exposed non-critical applications

AVAILABLE FORMS	
Coil	Mill Edge
Sheet	Trim Edge

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