



Data Sheet

NZCC 200D

Cold-Rolled

Revision: 31/1/2012

CR

GENERAL DESCRIPTION

Cold-rolled annealed and skin-passed steel of commercial quality with a minimum proof of 200MPa, capable of bending and tube forming, and with a surface finish suitable for exposed non-critical applications

APPLICATIONS

- Tube making
- Flooring systems

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)	0.017	0.030
Phosphorus (P)	0.015	0.030

MECHANICAL PROPERTIES	TYPICAL	EXPECTED
0.2% Proof Stress, MPa	240	200 Min
Tensile strength, MPa	340	310 – 510
Elongation, % on L ₀ = 50mm	39	30% Min
HRB Hardness	52	65 Max

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	2
Pressing	2
Bending	5
Roll-forming	5
Welding	5

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
0.600 – 0.699	612 – 1400
0.700 – 2.000	612 – 1530
2.001 – 2.500	622 – 1350
2.501 – 3.000 ^[1]	900(M) – 1250(M)

^[1] Thickness greater than 2.500mm is only available as mill edge

(T) = Trim edge, (M) = Mill edge

AVAILABLE FORMS	
Coil	Mill Edge
Sheet	Trim Edge

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

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