



Data Sheet

NZCC-8D

Cold-Rolled

Revision: 31/1/2012

GENERAL DESCRIPTION

Cold-rolled annealed and skin-passed steel of commercial quality, capable of bending and modest forming, and with a surface finish suitable for exposed noncritical applications

APPLICATIONS

- Shelving
- Office furniture and other applications where greater strength than NZCC-SD is required

STANDARDS

- AS/NZS 1365:1996
- NZ Steel Standard

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) ^[1]
Carbon (C)	0.083	0.100
Silicon (Si)	0.008	0.030
Manganese (Mn)	0.590	0.700
Sulphur (S)	0.017	0.030
Phosphorus (P)	0.016	0.030

MECHANICAL PROPERTIES	TYPICAL	EXPECTED
0.2% Proof Stress, MPa	245	200 – 280
Tensile strength, MPa	380	330 – 410
Elongation, % on L ₀ = 50mm	36	25% Min
HRB Hardness	56	50 - 65

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)
0.650 – 0.799	612 – 1180
0.800 – 0.949	612 – 1410
0.950 – 0.200	612 – 1530
2.001 – 2.500	622 – 1350

May be a restriction to gauge width combinations

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

AVAILABLE FORMS	
Coil	Mill Edge
Sheet	Trim Edge

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