

GENERAL DESCRIPTION

Cold rolled, annealed and skin-passed steel specifically produced for drum manufacture.

APPLICATIONS

- Drum and container manufacture

STANDARDS

- AS/NZS1365:1996
- 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)	0.012	0.020

MECHANICAL PROPERTIES	TYPICAL	EXPECTED
0.2% Proof Stress, MPa	190	140 – 260
Tensile strength, MPa	330	300 – 360
Elongation, % on L ₀ = 50mm	45	30% Min
HRB Hardness	45	35 - 55

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	4
Pressing	4
Bending	5
Roll-forming	5
Welding	5

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
0.5 – 0.6	612 – 1350
0.6 – 0.7	612 – 1400
0.7 – 2.0	612 – 1530
2.0 – 2.5	612 – 1350
2.5 – 3.0 ^[1]	612 – 1250

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

SURFACE FINISHES
Matt finish suitable for painting and exposed non-critical applications. Has a DOS rust inhibitive coating applied by default unless requested otherwise.

AVAILABLE FORMS
Coil
Sheet

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