

Data Sheet

NZHA4 HOT ROLLED FORMABLE

Hot-Rolled – Formable Plate

Revision: 24/06/2025

General Description

Hot Rolled NZHA4 steel is a commercial grade with guaranteed minimum elongation suitable for moderate pressing and drawing operations. NZHA4 is based on AS/NZS 1594:2002 HA4 without strain age requirement

Applications

- Expanded mesh

Standards

- NZ Steel Standard (based on AS/NZS 1594:2002 without strain age requirement)
- AS/NZS 1365:1996

CHEMICAL COMPOSITION	TYPICAL (wt%)	MAXIMUM (wt %) ^[1]
Carbon (C)	0.04	0.08
Silicon (Si)	0.01	0.03
Manganese (Mn)	0.18	0.40
Sulphur (S)	0.011	0.020
Phosphorus (P)	0.016	0.030

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

MECHANICAL PROPERTIES	TYPICAL	MINIMUM ^[1]
Yield Strength, MPa	250	170
Tensile Strength, MPa	360	280
Elongation, % on L ₀ =200mm	30	≤3mm = 24%, >3mm = 26%
Bend Test		0T

STANDARD PLATE SIZES	
3 mm	1220 x 3000
5 mm	900 x 2400 1220 x 2400

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
2.50 – 12.00 mm	730 – 1540

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.

Floor Plate may be supplied as either plate or coil. Other dimensional combinations may be available by enquiry.

FABRICATING PERFORMANCE (1 = LIMITED / 5 = EXCELLENT)	
METHOD	RATING
Bending	5
Welding	5