

GENERAL DESCRIPTION

Commercial grade floor plate with a minimum of 200MPa yield strength suitable for simple forming and bending operations.

APPLICATIONS

- Floor plate

STANDARDS

- NZ Steel Standard

	2.60 – 4.69 mm	4.70 – 6.30mm	6.31 – 10.00mm	2.60 – 4.69 mm	4.70 – 6.30mm	6.31 – 10.00mm
CHEMICAL COMPOSITION	TYPICAL (wt %)			EXPECTED MAXIMUM (wt %)		
Carbon (C)	0.055	0.085	0.16	0.120	0.140	0.250
Silicon (Si)	0.008	0.011	0.01	0.050	0.050	0.050
Manganese (Mn)	0.22	0.59	0.61	0.600	1.000	1.600
Sulphur (S)	0.016	0.016	0.016	0.045	0.045	0.045
Phosphorus (P)	0.01	0.011	0.012	0.035	0.035	0.035

	2.60 - 2.79mm	2.80 - 4.69mm	4.70 - 6.30mm	6.31 - 10.00mm
MECHANICAL PROPERTIES	EXPECTED MINIMUM			
Yield strength, MPa	200 min	200 min	200 min	200 min
Tensile strength, MPa	270 min	270 min	270 min	270 min
Elongation, % on L ₀ = 200mm	6.0	6.0	6.0	6.0

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
Bending	3
Welding	5

AVAILABLE FORMS
Coil Plate
Coil

DIMENSION CAPABILITIES	
THICKNESS (mm)	WIDTH (mm)
2.60 - 2.79 ⁽¹⁾	730 - 1220
2.80 - 3.20	730 - 1240
3.21 - 4.69	730 - 1540
4.70 - 6.30	730 - 1540
6.31 -10.00	730 - 1540

⁽¹⁾ More than four coils per order is subject to inquiry

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. Other dimensional combinations may be available by enquiry.

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