

### **Data Sheet**

# G310

# Metal-Coated – GALVSTEEL<sup>™</sup>

Revision: 31/1/2012

#### **GENERAL DESCRIPTION**

GALVSTEEL<sup>TM</sup> G310 steel is a hot-dipped zinc-coated structural steel with a spangled surface and guaranteed minimum yield strength of 310MPa.

#### **APPLICATIONS**

- Tubing
- Beams

#### **STANDARDS**

- NZ Steel Standard
- AS/NZS 1365:1996

CHEMICAL COMPOSITION	TYPICAL (wt %)	EXPECTED MAXIMUM (wt %) [1]
Carbon (C)	0.170	0.194
Silicon (Si)	0.011	0.030
Manganese (Mn)	0.600	0.700
Sulphur (S)	0.015	0.030
Phosphorus (P)	0.013	0.030
Nitrogen (N)	0.005	0.0084

	1.15mm	1.55mm	1.85mm	
MECHANICAL PROPERTIES	TYPICAL			EXPECTED MINIMUM
Yield strength, MPa	338	342	318	310 min
Tensile strength, MPa	470	460	469	340 min
Elongation, % on L <sub>o</sub> = 50mm	30	40	35	20 min
180° transverse bend	1t	1t	1t	1t

Material should be used promptly (within 6 months) to avoid the possibility of storage related corrosion and degradation. Mechanical properties are guaranteed at ambient/room temperatures. Please consult technical representatives at New Zealand Steel for high/low temperature use.

COATING ADHESION - 180° BEND TEST				
COATING CLASS	GUARANTEED			
Z100	Ot			
Z200	Ot			
Z275	1t			
Z450	1t			
Z600	2t			

OPTIONAL
Minimised spangle
Oiled
Unbranded
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Other coating classes may be available by enquiry

GALVSTEEL™ is a trademark of New Zealand Steel Limited.

## **New Zealand Steel Limited**

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AVAILABLE FORMS		
Coil		
Sheet		

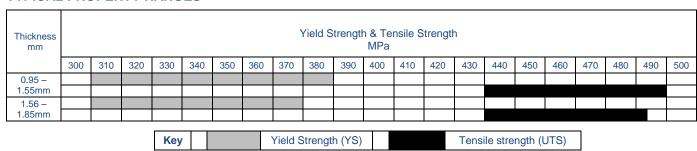
DIMENSION CAPABILITIES			
THICKNESS (mm)	WIDTH RANGE (mm)		
0.95 – 1.55	70 – 1230		
1.56 – 1.85	70 – 1100		

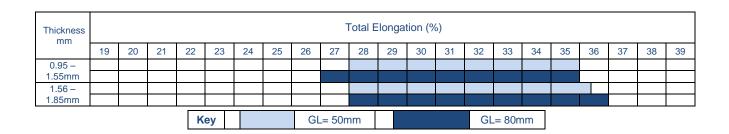
These dimensions are a reflection of technical capability to produce. Supply conditions may be subject to dimensional restrictions and is subject to New Zealand Steel Marketing confirmation. Other dimensional combinations may be available by enquiry.

#### **PACKING**

Despatched material will be packed appropriately providing protection against weather and transit damage.

### **TYPICAL PROPERTY RANGES**





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