

Cold Rolled - CR

Structural - S

GENERAL DESCRIPTION

CW300-G is a cold rolled and temper rolled, weathering and structural steel with minimum guaranteed yield strength of 300 MPa, suitable for general fabrication.

AUSTRALIAN STANDARDS

AS/NZS 1595: 1998

AS/NZS 1365: 1996

TYPICAL USES

- Power station heat exchangers
- Architectural panels
- Truck bodies
-

FEATURES & BENEFITS

- Enhanced weather resistance
- Guaranteed mechanical properties

WARNINGS

- This material should be used in conjunction with the appropriate design and welding standards.
- An untrimmed (Mill) edge may contain minor surface discontinuities as a result of the rolling process. It is recommended that customers satisfy themselves that the edge is suitable for the application.
- Weathering steels are not recommended without further protection for buried or submerged situations or for applications exposed to concentrated industrial fumes or severe marine environments.
- Refer to BlueScope Steel's Technical Bulletin No. 26 for more information regarding the use of this material.

NORMAL / OPTIONAL SUPPLY CONDITIONS

	Normal	Optional
Thickness Range	1.0 – 2.0 mm	
Width Range*	1150 – 1230 mm	
Surface Finish	Cold Rolled and Temper Rolled	
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerances	AS/NZS 1365: 1996	
Flatness	Class A	
Certification	BlueScope Steel – Analysis and Mechanical tests	

Optional supply conditions may be subject to dimensional restrictions.

*Not all width/thickness combinations available, please discuss with Customer Services.

Australia 1800 800 789

XLERPLATE®, XLERPLATE LITE™ and BlueScope are trade marks of BlueScope Steel Limited ABN 16 000 011 058.

Please ensure you have the current data sheet for this product as displayed at steelproducts.bluescopesteel.com.au



Cold Rolled - CR

Structural - S

CHEMICAL COMPOSITION

Element	Guaranteed Maximum %	Typical %
		1.0 – 2.0 mm
Carbon	0.15	0.09 – 0.10
Silicon	0.15 – 0.75	0.30-0.50
Manganese	1.6	0.70-0.90
Phosphorus	0.055 – 0.160	0.08 – 0.10
Sulfur	0.04	0.008 - 0.015
Aluminium	0.10	0.025 - 0.050

All values shown refer to the relevant Australian Standard unless otherwise stated.

MECHANICAL PROPERTIES

Tensile Properties (Longitudinal)	Guaranteed Minimum	Typical %
		1.0 – 2.0 mm
Yield Strength (MPa)	300	310-345
Tensile Strength (MPa)	450	490 - 530
Elong. (%) on 80mm	20	23 - 28
180° Bend (Longitudinal axis)	2t	

Australia 1800 800 789

XLERPLATE®, XLERPLATE LITE™ and BlueScope are trade marks of BlueScope Steel Limited ABN 16 000 011 058.

Please ensure you have the current data sheet for this product as displayed at steelproducts.bluescopesteel.com.au