

Revision 1, March 2004

This literature supersedes all previous issues

GENERAL DESCRIPTION

ZINCALUME® steel G550 - hot dipped zinc/aluminium alloy-coated structural steel with a spangled surface and guaranteed minimum yield strength of 550 MPa with limited ductility. Suitable for roll-forming to a minimum internal radius of 5t.

TYPICAL USES

Roll formed decking and walling, RWG.

STANDARD

Australian Standard 1397

DIMENSIONS : (For normal supply product)**Preferred thickness, mm**

0.30 - 1.00

Width range, mm

711 - 1250

MECHANICAL PROPERTIES

Steel Base	Guaranteed (0.42 mm) (≥ 0.60 mm)	Typical*(G550) (0.42 mm thick)
Longitudinal tensile		
Yield strength, MPa	-	680-740
Tensile strength, MPa	≥ 550	≥ 550 680-780
Elong on 80 mm, %	-	≥ 2 1-6
Hardness, HR30T	-	75-78
180° transverse bend (L axis)	-	-

CHEMICAL COMPOSITION

Guaranteed Maximum, %	
Carbon (C)	0.20
Phosphorus (P)	0.04
Manganese (Mn)	1.20
Sulphur (S)	0.03

SUPPLY CONDITION

	Normal	Optional #
Coating class	AZ150	AZ200
Surface condition	Spangled	-
Surface treatment	Passivated/Resin coated	-
Tolerance class		
Thickness	AT	-
Width	AW	BW
Length	AL	BL
Flatness	AF	-
Oiling	Not Oiled	-
Branding	Branded	Not Branded

Optional supply conditions may be subject to dimensional restrictions.
Note : Customers should use product promptly (within 6 months) to avoid the possibility of storage related corrosion

FABRICATION PERFORMANCE

1 = Limited to 5 = excellent

NR = Not recommended

Bending	1
Drawing	NR
Pressing	NR
Roll-forming (5t min. internal radius)	3
Welding (Design must allow for some strength reduction near welds)	4
Painting (pretreatment)	5

Clean COLORBOND® COLORBOND® and ZINCALUME® are registered trade marks of BlueScope Steel Limited.
BlueScope is a trade mark of BlueScope Steel Limited

**BlueScope Steel - Thailand**

Copyright 2004 BlueScope Steel Limited

MARKETING & SALES OFFICE : 7th Floor, Bangkok Thai Tower 104/1 Rangnam Road, Phayathai, Rajthavi, Bangkok 10400

Telephone : (02) 642-7155 (Automatic 12 lines) Facsimile : (02) 642-7156-7

FACTORY & HEAD OFFICE : 2 Soi G9 Pakomsongkroh Rd., T. Map Ta Phut A, Muang Rayong 21150 Thailand

Telephone : (66 38) 685-710 (Automatic) Facsimile : (66 38) 685-715

Website : www.bluescopesteel.com