

Revision 1, August 2000

This literature supersedes all previous issues

GENERAL DESCRIPTION

ZINCALUME® Steel G300 - hot dipped aluminium/zinc alloy-coated structural steel with a spangled surface and guaranteed minimum yield strength of 300 MPa with good ductility. Suitable for roll-forming to a minimum internal radius of 1t.

TYPICAL USES

G300S - Roll formed decking, RWG, tubing, garage doors, gutters and signs (general CB application)

STANDARD

Australian Standard 1397

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

0.25 - 0.29

0.30 - 1.00

1.01 - 1.20

Width range, mm

710 - 1220

710 - 1265

710 - 1220

MECHANICAL PROPERTIES

<i>Steel Base</i>	<i>Guaranteed</i>	<i>Typical</i> (Basis 0.60 mm thick)
Longitudinal tensile		
Yield strength, MPa	300 min	330 - 390
Tensile strength, MPa	340 min	380 - 440
Elong on 80 mm, %	18 min	21 - 31
Hardness, HR30T	-	55 - 65
180° transverse bend (L axis)	0t	0t

CHEMICAL COMPOSITION

<i>Guaranteed Max., %</i>	
Carbon (C)	0.30
Phosphorus (P)	0.10
Manganese (Mn)	0.60
Sulphur (S)	0.035

SUPPLY CONDITION

	<i>Normal</i>	<i>Optional #</i>
Coating class	AZ150	AZ200
Surface condition	Spangled	Skin-passed
Surface treatment	Passivated/Resin coated	
Tolerance class		
Thickness	AT	-
Width	AW	BW
Length	AL	BL
Flatness	AF	BF
Oiling	Not oiled	-
Branding	Branded	Not branded

Optional supply conditions and coating classes may be subject to dimensional restriction.

Note : Customers should use product promptly to avoid the possibility of storage related corrosion.

FABRICATION PERFORMANCE

1 = Limited to 5 = excellent

Bending	5
Drawing	2
Pressing	1
Roll-forming	5
Welding	5
Painting (pretreatment)	5

ZINCALUME® is a registered trademark of BHP Steel (JLA) Pty Ltd.


BHP Steel - Thailand

Copyright 2000 BHP Steel (JLA) Pty Ltd

MARKETING & SALES OFFICE : Level 5 Siripinyo Building 475 Sri Ayutthaya Rd., Rajthevi Bangkok 10400 Thailand

Telephone : (662) 248-6425 (Automatic) Facsimile : (662) 247-7856, 247-1394

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

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