



General Description :

GALVABOND® G2 is a hot-dipped zinc-coated commercial forming steel with a spangled surface, suitable for general manufacturing and moderate drawing applications and is suitable for lock-seaming up to 1.6mm BMT.

Typical End Uses :

General Manufacturing, Ducting, Heating, Ventilation, Air-conditioning, Service Centre Stock

Relevant Standard :

Australian Standard 1397

Please refer to the International Grade & Coatings Comparisons Table for approximate equivalents of this product in other international standards such as ASTM, JIS and EN.

Thick / Width Envelope :

Coating → Z275

Thickness Range (BMT)	Available Width (mm)
0.300 - 0.319	630 - 1070
0.320 - 0.349	630 - 1100
0.350 - 0.399	630 - 1220
0.400 - 0.450	630 - 1320
0.451 - 0.457	630 - 1485
0.458 - 0.507	630 - 1510
0.508 - 1.830	630 - 1525
1.831 - 1.885	630 - 1485
1.886 - 1.938	630 - 1440
1.939 - 2.000	630 - 1400
2.001 - 3.200	630 - 1220

Normal / Optional Supply Conditions :

	Normal	Optional
Coating Mass	Z275	Z100, Z122, Z150, Z183, Z200, Z350, Z450, Z600
Surface Condition	Regular Spangle	-
Surface Treatment	Passivated	Unpassivated
Tolerance Class		
Thickness	A Class	B Class
Width / Length	A Class	B Class
Flatness	A Class	B Class
Oiling	Not Oiled	Oiled
Branding	Not Branded	Branded
Skin Passing	Not Skin Passed	Skin Passed

Mechanical Properties of Steel Base :

Property	Guaranteed (min)	Typical (based on 0.75mmBMT)
<i>Transverse Tensile</i>		
Yield Strength (MPa)	-	320 – 350
Tensile Strength (MPa)	-	360 – 390
Elongation (%) on 80mm (≥ 0.60mm)	27	34 – 39
<i>Coating Adhesion:</i>		
180° transverse bend (L Axis)	0t (internal diameter)	0t (T Axis)
Pittsburgh lock-seam (≤1.60mm)	Pass	Pass

Important Notes :

- Widths greater than 1250mm are only available from Western Port Works
- GALVABOND® G2 from Port Kembla Works has a larger spangle than GALVABOND® G2 from Western Port Works
- Optional supply conditions may be subject to dimensional restrictions and is subject to Works confirmation
- The Skin-Passing of GALVABOND® G2 will give a marginally higher yield strength and marginally reduced % elongation.
- The ductility will decline through a natural ageing process during storage and/or paint stoving cycle
- Material should be used promptly (within 6 months) to avoid the possibility of storage related corrosion

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