



Australian Manufacturing Markets

ZINCFORM[®] A653 CSB

Export Market Offer - Revision 0, March 13th, 2009

This literature supersedes all previous issues

General Description :

ZINCFORM[®] ASTM A653 CSB is a hot-dipped zinc-coated commercial structural steel with a regular spangle surface, suitable for general manufacturing.

Typical End Uses :

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

Thick / Width Envelope :

Coating → Z275

Thickness Range (BMT, mm)	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 - 3.000	630 - 1220

Normal / Optional Supply Conditions :

	Normal	Optional
Coating Mass	Z275	Z122, Z183, Z220
Surface Condition	Regular Spangle	-
Surface Treatment	Passivated	Unpassivated
Tolerance		
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	Typical (based on 0.40mmBMT)
<i>Longitudinal Tensile</i>		
▪ Yield Strength (MPa)	-	310 – 380
▪ Tensile Strength (MPa)	-	400 – 450
▪ Elongation (%) on 50mm	-	27 – 34
80mm	-	
<i>Coating Adhesion:</i>	1t	0t
180° transverse bend	(internal diameter)	(T Axis)

Important Notes :

- Widths greater than 1220mm are only supplied from Western Port Works. Thicknesses greater than 2.0mm are only available from Port Kembla Works
- Optional supply conditions may be subject to dimensional restrictions and is subject Works confirmation.
- The Skin-Passing of ZINCFORM[®] 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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