

Metallic Coated - MC

GENERAL DESCRIPTION

ZINCALUME® is a hot dipped aluminum-zinc-magnesium alloy coated steel (AZ150 / AZ200*) with passivated and resin coated.

*AZ150 : ZINCALUME®
AZ200 : ZINCALUME® Ultra

TYPICAL USES

General manufacture for roofing, walling or cladding.

AUSTRALIAN STANDARD

AS/NZS 1365:1996 Tolerances for flat-rolled steel products
AS 1397:2011 Continuous hot-dip metallic coated steel sheet and strip – Coatings of Zinc and Zinc alloy with aluminum and magnesium.

INDONESIA STANDARD

SNI 4096:2007 Baja lembaran dan gulungan lapis paduan aluminium – seng (Bj.L AS)

Guaranteed Properties of Steel Based

Mechanical Properties	Guaranteed Minimum	
	G300	G550
Yield Strength (MPa)	300	550
Tensile Strength (MPa)	340	550
Elongation (% - on 50mm)	20	2

Refer Note 4

Chemical Properties of Steel Based

Elements	Guaranteed Max (%)	
	G300	G550
Carbon	0.30	0.20
Mangan	1.60	1.20
Phosphorus	0.040	0.040
Sulphur	0.035	0.030

Fabricating Performance

Method	G300	G550
Bending	Excellent	Fair
Drawing	Limited	Poor
Pressing	Good	Poor
Roll Forming	Excellent	Excellent
Painting (pretreatment)	Excellent	Excellent
Welding	Good	Good

Metallic Coated - MC**Dimensional Capabilities**

Thickness (BMT)	Width Range	
	G300	G550
0.25	914	914, 1219
0.30	914, 1219	914, 1219
0.35	914, 1219	914, 1219
0.40	914, 1219	914, 1219
0.45	914, 1219	914, 1219
0,50	914, 1219	914, 1219
0,55	914, 1219	914, 1219
0,60	914, 1219	914, 1219

Refer Note 1

Important Notes:

1. The dimensions are a reflection of technical capability to produce and applicable market offer.
2. Supply condition may be subject to dimensional restrictions and is subject to PT. NS BlueScope Indonesia Sales and Marketing confirmation.
3. Optional supply conditions may be subject to dimensional restrictions.
4. Typical mechanical properties are based on typical dispatched to Customer. Note that ductility will decline through a natural ageing process during storage.
5. Material should be used promptly (within six months) to avoid the possibility of a storage related corrosion. Rollforming mark does not affect the performance of ZINCALUME®. For selection of the most appropriate metallic coated steel, please refer to technical bulletins TB1a, TB1b, CTB21 and CTB22. For storage, rollforming lubricants and other information, please refer to the Technical Bulletins.