

Aluminium-Zinc alloy coated steel

TABLE - PRODUCT SPECIFICATIONS

Product Control Number - Coding System			
Field Number	Category		Description
1	Prime / Non Prime		Reports whether the product is prime or non-prime (secondary) product. Non prime could also be described as not meeting the intended or applicable specification.
	P	Prime	
	S	Secondary / Non Prime	
2	Coating Mass (weight)		Reports the amount of aluminium / zinc alloy coated steel coating that has been applied to the base steel. This is expressed as the total (both top and bottom sides) in grams/square metre of surface area. The designated coating mass is a guaranteed minimum value.
	1	<= 100 g/m2	
	2	>100 g/m2 to <= 165 g/m2	
	3	> 165 g/m2	
3	Grade Designation (AS 1397 / JIS 3321)		Reports the steel grade of aluminium / zinc alloy coated steel . The steel grade determines the guaranteed or typical mechanical properties of the product. The Australian standard AS 1397 range of steel grades are noted in bold with the equivalent Japanese standard JIS 3321 steel grades noted alongside unbolded. The G2 and G3 type grades are 'Formable' steel grades, whilst the G250 to G550 covers the range of 'Structural' steel grades. AS 1397 designates the structural grades via their minimum Yield Strength whilst the JIS 3321 designates their structural grades via their minimum Tensile Strength. All other special grades (for example as supplied to the Automotive industry /standards) will fall into the 'other' category for this investigation.
	1	G2 / SGLCC	
	2	G3 / SGLCD	
	3	G250 / SGLC 340	
	4	G300 / G350 / SGLC 400 / SGLC 440 / SGLC 490	
	5	G450 / G500	
	6	G550 / SGLC 570	
9	Other		
4	Thickness (BMT)		Reports the Base Metal Thickness (BMT) of the substrate steel before the zinc / aluminium coating is applied. For zinc / aluminium coated steel of the same coating mass, the thinner the base metal, the more square metres per tonne and therefore more coating metal is required to be applied and higher the cost and selling price.
	1	< 0.40 mm	
	2	=> 0.40 mm to < 0.50 mm	
	3	=> 0.50 mm to < 0.75 mm	
	4	=> 0.75 mm to < 1.00 mm	
	5	=> 1.00 mm to < 2.0 mm	
5	Width		Reports the width of the aluminium / zinc alloy coated steel. In general narrow steel product requires extra processing via a slitting operation and incurs a price extra.
	1	< 600 mm	
	2	=> 600 mm	
6	Form		Reports the final shape of the aluminium / zinc alloy coated steel - either in coil form or in sheet form. Sheeted product requires extra processing via a shearing operation and incurs a price extra.
	C	Coil	
	S	Sheet	

PCN Examples:- for equivalent AS 1397 and JIS G3321 Aluminium Zinc-Alloy coated steel products

AS 1397 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ150 coating, G2 grade, 1.20mm thick, 1200mm wide, Coil would have a PCN = **P2152C**
 JIS G3321 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ150 coating, SGLCC grade, 1.20mm thick, 1200mm wide, Coil would have a PCN = **P2152C**

AS 1397 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ200 coating, G550 grade, 0.42mm thick, 1200mm wide, Coil would have a PCN = **P3622C**
 JIS G3321 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ200 coating, SGLC 570 grade, 0.42mm thick, 1200mm wide, Coil would have a PCN = **P2622C**

AS 1397 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ150 coating, G300 grade, 0.55mm thick, 1200mm wide, Sheet - would have a PCN = **P2432S**
 JIS G3321 Aluminium / zinc alloy coated steel - Prime, Cold Rolled, AZ150 coating, (SGLC 400 or SGLC 440 or SGLC 490) grade, 0.55mm thick, 1200mm wide, Sheet - would have a PCN = **P2432S**