

Galvanised 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	Base Steel		Reports whether the galvanised steel substrate is a hot rolled base or whether it is a cold rolled base (ie hot rolled further processed via pickling, side trimming and cold reduction).
	H	Hot Rolled	
	C	Cold Rolled	
3	Hot Dipped Coating Type		Reports the type of zinc coating on the steel surface. This is either a hot dipped coating of zinc or a coating of zinc that has been converted to a zinc/iron alloy post the hot dip process (excludes electro galvanised steel). The common term for zinc/iron alloy galvanised steel is Galvalume (BSL has a brand name ZINCANNEAL(r) for this
	Z	Zinc Coated (Z)	
	F	Zinc / Iron Alloyed Coating (Australian ZF = Japanese F)	
4	Coating Mass (weight)		Reports the amount of zinc (Z) or zinc/iron (ZF) 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. Note: JIS 3302 expresses coating mass in a shortened manner compared to AS 1397 (i.e. AS 1397 coating of Z275 (g/m2) = Z27 in the JIS 3302 standard and AS 1397 coating of ZF100 (g/m2) = F10 in the JIS 3302 standard).
	1	<= 100 g/m2	
	2	>100 g/m2 to <= 220 g/m2	
	3	> 220 g/m2 to <= 300g/m2	
	4	>2300 g/m2 to <= 400 g/m2	
	5	>400 g/m2	
5	Grade Designation (AS 1397 / JIS 3302)		Reports the steel grade of Galvanised 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 3302 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 3302 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 / SGCC / SGHC	
	2	G3 / SGCD /	
	3	G250 / SGC 340 / SGH 340 / SGC 340 / SGHC 340	
	4	G300 / G350 / SGC 400 / SGH 440 / SGC 440 / SGHC 440 / SGC 490 / SGCH 490	
	5	G450 / G500	
	6	G550 / SGC 570	
	9	Other	
6	Thickness (BMT)		Reports the Base Metal Thickness (BMT) of the substrate steel before the zinc coating or the zinc/iron coating is applied. For galvanised 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 < 1.50 mm	
	6	=> 1.50 mm to < 2.00 mm	
	7	=> 2.00 mm to <2.50 mm	
	8	=> 2.50 mm	
7	Width		Reports the width of the galvanised steel. In general narrow steel product requires extra processing via a slitting operation and incurs a price extra.
	1	< 600 mm	
	2	=> 600 mm to <= 1220mm	
	3	> 1220mm	
8	Form		Reports the final shape of the galvanised 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 G3302 galvanised steel products

AS 1397 Galvanised steel - Prime, Cold Rolled, Z275 coating, G2 grade, 1.20mm thick, 1200mm wide, Coil would have a PCN = **PCZ3152C**

JIS G3302 Galvanised steel - Prime, Cold Rolled, Z27 coating, SGCC grade, 1.20mm thick, 1200mm wide, Coil would have a PCN = **PCZ3152C**

AS 1397 ZINCANNEAL® steel - Prime, Cold Rolled, G2 grade, ZF100 coating, 0.75mm thick, 950mm wide, Coil would have a PCN = **PCF1144C**

JIS G3302 Galvalume steel - Prime, Cold Rolled, SGCC grade, F10 coating, 0.75mm thick, 950mm wide, Coil would have a PCN = **PCF1144C**

AS 1397 Galvanised steel - Prime, Cold Rolled, Z200 coating, G300 grade, 0.50mm thick, 915mm wide, Sheet would have a PCN = **PCZ2422S**

JIS G3302 Galvanised steel - Prime, Cold Rolled, Z20 coating, SGC 400 grade, 0.50mm thick, 915mm wide, Sheet would have a PCN = **PCZ2422S**