

SPECIFICATION CLAUSES FOR STEEL TO ENSURE COMPLIANCE WITH RELEVANT AUSTRALIAN STANDARDS / REGULATIONS

ITEMS IN RED OR GREEN – SELECT AS APPROPRIATE OR SEEK ASSISTANCE FROM MANUFACTURER.



Prepainted Steel –Roofing/Cladding

Prepainted Steel for Roofing/Cladding (COLORBOND® steel or equivalent) conforming to AS2728:2013 with a metallic-coated steel substrate conforming to AS1397:2011-

G300/G500/G550 - AM100/AM150.

Product is to be legibly and durably marked on reverse surface with the manufacturer name and/or trademark, unique traceable identifier and date of manufacture.

Installation of product shall be in compliance with AS1562.1:1992 and HB-39:2015, National Construction Code (NCC) and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Metal Coated Steel – Roofing/Cladding (Al/Zn/Mg)

Metal Coated Steel for Roofing/Cladding (ZINCALUME® steel or equivalent) meeting the requirements of AS1397:2011-

G300/G500/G550 - AM125/AM150.

Product is to be legibly and durably marked on one surface in accordance with AS1397:2011 indicating steel grade, base metal thickness, coating class and reference to AS1397 to indicate compliance to that standard.

Installation of product shall be in compliance with AS1562.1:1992 and HB-39:2015, National Construction Code (NCC) and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Metal Coated Steel – Roofing/Cladding (Galvanised)

Galvanised Coated Steel – Roofing/Cladding (ZINC HI-TEN® steel or equivalent) meeting the requirements of AS1397:2011-**G300/G500/G550 - Z450/Z600.**

Product is to be legibly and durably marked on one surface in accordance with AS1397:2011 indicating steel grade, base metal thickness, coating class and reference to AS1397 to indicate compliance to that standard.

Installation of product shall be in compliance with AS1562.1:1992 and HB-39:2015, National Construction Code (NCC) and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Metal Coated Steel – Steel Building Frame (Al/Zn/Mg)

Metal Coated Steel for Steel Building Frame (TRUECORE® steel or equivalent) meeting the requirements of AS1397:2011-**G450/G500/G550 - AM150.**

Product is to be legibly and durably marked on one surface in accordance with AS1397:2011 indicating steel grade, base metal thickness, coating class and reference to AS1397 to indicate compliance to that standard.

Installation of product shall be in compliance with AS4600:2005, National Construction Code (NCC), NASH

Standard *Residential and Low-Rise Steel Framing Part 1 or Part 2* and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Cold-Formed Structural (Purlins)

Cold-Formed Purlins Structural (GALVSPAN® steel or equivalent) meeting the requirements of AS1397:2011-**G450/G500/G550 - Z350/Z450.**

Product is to be legibly and durably marked on one surface in accordance with AS1397:2011 indicating steel grade, base metal thickness, coating class and reference to AS1397 to indicate compliance to that standard.

Installation of product shall be in compliance with AS4600:2005 and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Structural Steel Decking

Structural Steel Decking (DECKFORM® steel or equivalent) meeting the requirements of AS1397:2011-**G500/G550 - Z350/Z450.**

Product is to be legibly and durably marked on one surface in accordance with AS1397:2011 indicating steel grade, base metal thickness, coating class and reference to AS1397 to indicate compliance to that standard.

Application of product shall be in compliance with AS3600:2009 and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

Hot-Rolled Plate steel

Hot-Rolled Plate (XLERPLATE® steel or equivalent) manufactured to meet the requirements of AS/NZS3678:2011 by an independent 3rd party accredited certified manufacturer.

Steel to be legibly marked with steel grade, applicable Australian Standard, heat number, traceable identification number, name of manufacturer and independent 3rd party accredited certified certification number.

Test certificates for materials supplied to be made available upon request. Testing and certificates to be completed by NATA (or similar) approved testing facility in accordance with the requirements of ISO /IEC 17025 & AS1391:2007.

Application of steel product shall be in compliance with AS 1554.1, AS4100:1998 and relevant manufacturer publications.

Product to meet tolerance specification of AS/NZS1365:1996

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Hot-Rolled Strip and Plate

Hot-Rolled Strip and Plate (TRU-SPEC® steel or equivalent) manufactured to meet the requirements of AS/NZS 1594:2002. Steel to be legibly marked with steel grade, dimensions, traceable identification number and name of manufacturer.

Test certificates for materials supplied to be made available upon request. Testing and certificates to be completed by NATA (or similar) approved testing facility in accordance with the requirements of ISO /IEC 17025.

Application of steel product shall be in compliance with AS 1554.1, AS4100:1998 and relevant manufacturer publications where applicable.

Product to meet tolerance specification of AS/NZS1365:1996

General – Installation

Where applicable, installation of product shall be in compliance with AS1562.1:1992 and HB-39:2015, National Construction Code (NCC) and relevant manufacturer Technical Bulletins.

Product to meet tolerance specification of AS/NZS1365:1996

General – Environmental

For projects, requiring Green Star Certification the manufacturer of the steel products must be able to demonstrate ISO9001:2008 & ISO14001:2004 accreditation and current membership to the World Steel Climate Action Program.

References

AS/NZS1365:1996	Tolerances for flat-rolled steel products
AS1391:2007	Metallic materials – Tensile testing at ambient temperature
AS1397:2011	Continuous hot-dip metallic coated steel sheet and strip – Coatings of zinc and zinc alloyed with aluminium and magnesium
AS 1554.1	Welding of Steel Structures
AS1562.1:1992	Design and installation of sheet roof and wall cladding Part 1: Metal
AS/NZS2728:2013	Prefinished/prepainted sheet metal products for interior/exterior building applications – Performance requirements
AS3600:2009	Concrete structures
AS/NZS3678:2011	Structural steel – Hot-rolled plates, floorplates and slabs
AS4100	Steel structures
AS/NZS4600:2005	Cold-formed steel structures
HB-39:2015	Installation code for metal roof and wall cladding
ISO9001:2008	Quality Management Systems - Requirements
ISO14001:2004	Environmental management systems
NCC	National Construction Code Vol. 1 & Vol. 2
ISO/ IEC 17025	General requirements for the competence of testing and calibration laboratories