AS 1397-2011 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium

This Standard specifies requirements for continuously hot-dip metallic coated sheet steel and strip supplied in thicknesses up to and including 5.0 mm.

Scope

Requirements for product conformity to this Standard are given in Appendix B.

Requirements covered in this Standard are as follows:

- Formability grades of steel.
- Structural grades of steel.
- Classes of zinc coating, including differential coatings.
- Classes of zinc coating converted to zinc/iron alloy.
- Classes of zinc/aluminium coatings.
- Classes of zinc/aluminium/magnesium alloy coating.
- Classes of aluminium/zinc alloy coating.
Classes of aluminium/zinc/magnesium alloy coating.
Surface finish.

Advice and recommendations on information to be supplied by the purchaser at the time of enquiry or order are contained in Appendix A.

The specified requirements apply to the full length and full width of the product supplied, unless otherwise indicated. Within the description of the classes of coatings, the majority element present is listed first, followed by the next major element and followed by a third element if appropriate.

For assistance with locating previous versions, please contact the information provider.

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- **AS 4254.2-2012**
  AS 1397-2011 is cited by AS 4254.2-2012 Ductwork for air-handling systems in buildings. Part 2: Rigid duct
- **AS/NZS 1554.1:2014**
- **AS/NZS 2327:2017**
  AS 1397-2011 is cited by AS/NZS 2327:2017 Composite structures - Composite steel-concrete construction in buildings
- **AS/NZS 2728: 2013**
  AS 1397-2011 is cited by AS/NZS 2728: 2013 Prefinished/prepainted sheet metal products for interior/exterior building applications - Performance requirements
- **AS/NZS 3500.1:2015**
  AS 1397-2011 is cited by AS/NZS 3500.1:2015 Plumbing and drainage - Part 1: Water services
- **AS/NZS 3500.4:2015**
  AS 1397-2011 is cited by AS/NZS 3500.4:2015 Plumbing and drainage - Heated water services
- **AS/NZS 5131:2016**
  AS 1397-2011 is cited by AS/NZS 5131:2016 Structural steelwork - Fabrication and erection
- **AS/NZS 5601.1:2013**
AS 1397-2011 is cited by AS/NZS 5601.1:2013 Gas installations - General installations

• SNZ TS 3404:2018

AS 1397-2011 is cited by SNZ TS 3404:2018 Durability requirements for steel structures and components

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This document CITES:

New Zealand Standards

• AS/NZS 1050.14:1994

• AS/NZS 1050.16:1994

• AS/NZS 1050.18:1994

• AS/NZS 1050.1:1996

• AS/NZS 1050.20:1994
- **AS/NZS 1050.21:1994**

- **AS/NZS 1050.24:1994**

- **AS/NZS 1050.26:1994**

- **AS/NZS 1050.27:1994**

- **AS/NZS 1050.28:1994**

- **AS/NZS 1050.2:1994**

- **AS/NZS 1050.30:1994**

- **AS/NZS 1050.31:1994**

- **AS/NZS 1050.32:1994**

- **AS/NZS 1050.37:1994**

- **AS/NZS 1050.38:1994**

- **AS/NZS 1050.39:1994**

- **AS/NZS 1050.6:1995**

- **AS/NZS 1050.8:1994**
  AS 1397-2011 cites AS/NZS 1050.8:1994 Methods for the analysis of iron and steel - Determination of manganese content
(spectrophotometric method)

- **AS/NZS 1365:1996**
  AS 1397-2011 cites AS/NZS 1365:1996 (R2016) Tolerances for flat-rolled steel products

**Australian Standards**

- **AS 1391-2007 (Reconfirmed in 2017)**

- **AS 2331.2.1-2001**
  AS 1397-2011 cites AS 2331.2.1-2001 (R2017) Methods of test for metallic and related coatings - Method 2.1: Local thickness tests - Tests for average coating mass per unit area or for thickness - Dissolution methods - Strip and weigh and analytical

- **AS 2331.2.3-2001**
  AS 1397-2011 cites AS 2331.2.3-2001 (R2017) Methods of test for metallic and related coatings - Method 2.3: Local thickness tests - Tests for average coating mass per unit area or for thickness - Hydrogen evolution method for zinc coatings

- **AS 2505.1-2004**

**Other**

- **ASTM A754/A754M-08**
  AS 1397-2011 cites ASTM A754/A754M-08 Standard Test Method for Coating Weight (Mass) of Metallic Coatings on Steel by X-Ray Fluorescence

- **ISO 7966:1993**
  AS 1397-2011 cites ISO 7966:1993 Acceptance control charts

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