

Australian/New Zealand Standard™

**Specifications for rainwater goods,
accessories and fasteners**

**Part 1: Metal shape or sheet rainwater
goods, and metal accessories and
fasteners**



AS/NZS 2179.1:2014

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-014, Plumbing and Drainage. It was approved on behalf of the Council of Standards Australia on 29 July 2014 and on behalf of the Council of Standards New Zealand on 25 July 2014.
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The following are represented on Committee WS-014:

Association of Hydraulic Services Consultants Australia
Australian Building Codes Board
Australian Industry Group
Building Officials Institute of New Zealand
Department of Building and Housing, New Zealand
Gas Appliance Manufacturers Association of Australia
Institute of Plumbing Australia
International Copper Association of Australia
Master Plumbers Australia
Master Plumbers, Gasfitters and Drainlayers New Zealand
National Fire Industry Association
Plastics Industry Pipe Association of Australia
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Plumbing Products Industry Group
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Additional Interests:

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This Standard was issued in draft form for comment as DR2 AS/NZS 2179.1.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-014, Plumbing and Drainage, to supersede AS/NZS 2179.1:1994.

The objective of this Standard is to provide manufacturers with requirements for determining the fitness for purpose of metal shape or sheet rainwater goods, and metal accessories and fasteners.

The objective of this revision is to provide for the use in rainwater goods, accessories and fasteners of additional coatings using several alloys of aluminium, zinc and magnesium as detailed in AS 1397, *Continuous hot-dip metallic coated steel sheet and strip—Coatings of zinc and zinc alloyed with aluminium and magnesium*, and to ensure compliance with the Australian Building Codes Board protocol for referenced documents.

This Standard is one of three Standards related to rainwater goods, the others being AS 1273, *Unplasticized PVC (UPVC) downpipe and fittings for rainwater*, and AS/NZS 3500.3, *Plumbing and drainage—Stormwater drainage*.

The principal change in this edition is the provision for the addition of aluminium/zinc/magnesium alloy-coated steel.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in Notes to figures and tables are deemed to be requirements of this Standard.

Notes used in this Standard are of an advisory nature only and are used to give explanation or guidance to the user on recommended considerations or technical procedures, or to provide an informative cross-reference to other documents or publications. Notes to Clauses in this Standard do not form a mandatory part for compliance with this Standard.

PROVISION FOR REVISION

This Standard necessarily deals with existing conditions, but is not intended to discourage innovation or to exclude materials, equipment and methods, which may be developed in the future. Revisions will be made from time to time in view of such developments and amendments to this edition will be made only when absolutely necessary.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies provisions for prepainted metal, metal and organic film/metal laminated shape or sheet rainwater goods, and metal accessories and fasteners.

1.2 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard:

AS

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| 1290 | Linear measuring instruments used in construction |
| 1290.5 | Part 5: Coated and etched steel measuring tapes |
| 1397 | Continuous hot-dip metallic coated steel sheet and strip—Coatings of zinc and zinc alloyed with aluminium and magnesium |
| 1449—1994 | Wrought alloy steels—Stainless and heat-resisting steel plate, sheet and strip |
| 1566 | Copper and copper alloys—Rolled flat products |
| 1789 | Electroplated zinc (electrogalvanized) coatings on ferrous articles (batch process) |
| 1874 | Aluminium and aluminium alloys—Ingots and castings |
| 1881 | Zinc alloys—Casting ingots and castings—Quality requirements |
| 1897 | Electroplated coatings on threaded components (metric coarse series) |
| 1984 | Vernier callipers (metric series) |
| 2837—1986 | Wrought alloy steels—Stainless steel bars and semi-finished products |
| 3566 | Self-drilling screws for the building and construction industries |
| 3566.1 | Part 1: General requirements and mechanical properties |
| 4100 | Steel structures |
| 4312 | Atmospheric corrosivity zones in Australia |

AS/NZS

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|------|---|
| 1567 | Copper and copper alloys—Wrought rods, bars and sections |
| 1573 | Copper and copper alloys—Wire for engineering purposes |
| 1734 | Aluminium and aluminium alloys—Flat sheet, coiled sheet and plate |
| 1866 | Aluminium and aluminium alloys—Extruded rod, bar, solid and hollow shapes |