

AS/NZS 2179.1:1994

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 2179.1:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS/20, Stormwater. It was approved on behalf of the Council of Standards Australia on 24 June 1994 and on behalf of the Council of Standards New Zealand on 22 August 1994. It was published on 22 August 1994.

The following interests are represented on Committee WS/20:

Aluminium Development Council (Australia)
Association of Consulting Engineers, Australia
Association of Hydraulic Services Consultants, Australia
Auckland City Council
Australian Chamber of Commerce and Industry
Australian Chamber of Manufacturers
Bureau of Meteorology (Australia)
Bureau of Steel Manufacturers of Australia
Department of Administrative Services—Australian Construction Services
Local Government Office, Tas.
Master Builders Australia
Master Plumbers and Mechanical Contractors Association of New South Wales
Master Plumbers and Mechanical Services Association of Victoria
Metal Building Products Manufacturers Association (Australia)
New Zealand Manufacturers' Federation
Plastics Institute of New Zealand
Plumbers, Gasfitters and Drainers Registration Board, Vic.
Public Works Department, N.S.W.
Royal Melbourne Institute of Technology
The Plastics and Chemicals Industry Association (Australia)
University of Technology, Sydney

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 2179.1:1994

Australian/New Zealand Standard

Specifications for rainwater goods, accessories and fasteners

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

First published as part of AS CS3—1931.
Revised and redesignated in part as AS 2179—1978.
Revised and designated in part as AS 2179—1986.
Revised and redesignated in part as
AS/NZS 2179.1—1994.

PUBLISHED JOINTLY BY:
STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia
STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7262 9133 1

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS/20 on Stormwater to supersede (in part) AS 2179—1986, *Metal rainwater goods—Specification*.

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

It is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

It is one of three Standards related to rainwater goods, the others being AS 1273, *Unplasticized PVC (UPVC) downpipe and fittings for rainwater*, and AS 2180, *Metal rainwater goods—Selection and installation*.

The principal changes in this edition are—

- (a) deletion of ridge and hip capping, flashing and rainwater storage tanks from rainwater goods;
- (b) inclusion of additional definitions;
- (c) deletion of designators for functions and materials of construction;
- (d) inclusion of references to atmospheric classifications of AS 2312, *Guide to the protection of iron and steel against exterior atmospheric corrosion* (see Clause 2.6);
- (e) replacement of obligatory gutter rigidity testing and minimum thickness requirements with the alternative of either performance testing or more conservative minimum thickness requirements;
- (f) the introduction of performance testing, including an impact test, as an alternative to a minimum thickness requirement; and
- (g) inclusion of gutter and downpipe support tests from AS 2180.

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.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 REFERENCED DOCUMENTS	4
1.3 DEFINITIONS	5
1.4 DESIGNATION	5
1.5 MARKING	5
SECTION 2 MATERIALS	
2.1 GENERAL	7
2.2 ALUMINIUM ALLOYS	7
2.3 ALUMINIUM/ZINC ALLOY-COATED STEEL	7
2.4 COPPER AND COPPER ALLOYS	8
2.5 ZINC-COATED STEEL	8
2.6 STAINLESS STEEL	8
2.7 ZINC	9
SECTION 3 PRESCRIPTIVE AND PERFORMANCE REQUIREMENTS	
3.1 METAL THICKNESS	10
3.2 EAVES GUTTERS	10
3.3 BOX GUTTERS	10
3.4 VALLEY GUTTERS	10
3.5 DOWNPIPES	11
3.6 RAINHEADS AND SUMPS	12
3.7 NOZZLE	12
3.8 EFFECTIVE CROSS-SECTIONAL AREA	12
SECTION 4 PERFORMANCE TESTS	
4.1 GENERAL	14
4.2 APPARATUS	14
4.3 VERTICAL LOAD	14
4.4 HORIZONTAL LOAD	14
4.5 IMPACT LOAD	14
APPENDICES	
A PURCHASING GUIDELINES	15
B VERTICAL LOAD TEST	16
C HORIZONTAL LOAD TEST	21
D IMPACT LOAD TEST	23

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-