

AS/NZS 2312:1994

Australian/New Zealand Standard

**Guide to the protection of iron and
steel against exterior atmospheric
corrosion**

AS/NZS 2312:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MT/14, Corrosion of Metals. It was approved on behalf of the Council of Standards Australia on 30 May 1994 and on behalf of the Council of Standards New Zealand on 29 August 1994. It was published on 19 September 1994.

The following interests are represented on Committee MT/14:

Aluminium Development Council
Australasian Corrosion Association
Australasian Institute of Metal Finishing
Australian Chamber of Commerce and Industry
Australian Gas Association
Australian Institution of Steel Construction
Australian Pipeline Industry Association
Australian Zinc Development Association
AUSTROADS
Bureau of Steel Manufacturers of Australia
Department of Defence, Australia
Division of Building, Construction and Engineering, CSIRO
Electricity Supply Association of Australia
Engineering and Water Supply Department, South Australia
Heavy Engineering Research Association, New Zealand
Railways of Australia Committee
States Electrolysis Committees

Additional interests participating in preparation of Standard:

Abrasive Blast Cleaning and Protective Coating Association of New South Wales
Corrosion consultants
Corrosion Prevention Centre
Department of Administrative Services, Australia
Hydro-Electric Commission of Tasmania
Melbourne Water Corporation
Paint manufacturing organizations
Water Board, Sydney—Illawarra—Blue Mountains

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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.

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Guide to the protection of iron and steel against exterior atmospheric corrosion

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PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee MT/14 on Corrosion of Metals to supersede AS 2312—1984, NZS/AS 2312—1984 and NZMP 2312:1987, *Commentary on AS 2312—1984*. It is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

The objective of this Standard is to provide guidance for architects, engineers, builders, the surface coating industry and users of protective services in general, on coating systems for the protection of iron and steel against exterior atmospheric corrosion.

In providing recommendations on up-to-date protection systems, the Committee is aware of the large number of systems used commercially, but, to avoid confusion, has included only a limited range of systems for each type of environment.

The Committee acknowledges the developments which are taking place in the protection of iron and steel and will continue to monitor these in order to make changes to future editions of this Standard as may become necessary.

In preparing this revision, cognizance was taken of the International Standard ISO 9223—1992, *Corrosion of metals and alloys—Corrosivity of atmospheres—Classification*.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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