



Atmospheric corrosivity zones in Australia



AS 4312:2019

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- Australasian Corrosion Association
- Australian Chamber of Commerce and Industry
- Australian Paint Manufacturers Federation
- Australian Pipelines and Gas Association
- Australian Steel Institute
- Austrroads
- Bureau of Steel Manufacturers of Australia
- CSIRO
- Energy Safe Victoria
- Galvanizers Association of Australia
- Materials Australia
- Plumbing Products Industry Group
- RMIT University
- Water Services Association of Australia

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-014, Corrosion of Metals, to supersede AS 4312—2008.

After consulting with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide guidelines for the classification of atmospheric environments in terms of their effects on corrosion to assist with the selection of metal finishes for ferrous products.

This edition includes the following major changes from the previous edition:

- (a) Description of and identification of regions within the ISO CX severe corrosivity classification.
- (b) More accurate definition of locations within corrosivity categories, especially in tropical regions, and redrawing the corrosivity maps.
- (c) Removal of the industrial and marine sub-sections of the C5 and the Tropical category, to achieve complete correlation with the ISO categories.
- (d) Additional information on identifying internal environments.

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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