AS 4036—2006

Australian Standard®

Corrosion of metals—Dissimilar metals in contact in seawater

This Australian Standard® was prepared by Committee MT-014, Corrosion of Metals. It was approved on behalf of the Council of Standards Australia on 19 September 2006.
This Standard was published on 17 October 2006.

The following are represented on Committee MT-014:

- Australian Corrosion Association
- Australasian Institute of Metal Finishing
- Australian Chamber of Commerce and Industry
- Australian Electrolysis Committee
- Australian Paint Manufacturer's Federation
- Australian Paint Approval Scheme
- Austroads
- Bureau of Steel Manufacturers of Australia
- Department of Defence
- Division of Building, Construction and Engineering, CSIRO
- Galvanizers Association of Australia
- Telstra
- United Water International
- Water Corporation of Western Australia
- Corrosion consultants
- Water Services Association of Australia (WSAA)
- Water Authority of Western Australia

This Standard was issued in draft form for comment as DR 06130.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

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PREFACE

This Standard has been prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MT-014, Corrosion of Metals, to supersede AS 4036—1992, *Corrosion of metals—Dissimilar metals in contact in seawater.*

After consultation 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 a test method to determine the corrosion rate of dissimilar metals when immersed in stagnant artificial seawater.

The objective of this revision is to update the reference documents, to apply current editorial style and to revise the test methods for determining the corrosion of dissimilar metals in stagnant artificial seawater.

This Standard provides a test method to derive the ratings of galvanic corrosion activity of metallic couples immersed in artificial seawater, based on their current/time relationships.

It also lists the galvanic series comprising a number of individual metals and alloys after immersion for one hour and also for a 28 day period, in artificial seawater.

The Committee determined that there were no International Standards (ISO) which were suitable to be used as an Australian Standard.

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.

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