

AS 2239—1993

Australian Standard[®]

**Galvanic (sacrificial) anodes for
cathodic protection**

[Defence Title allocated by Codification and Standardisation
Authority: ANODE, CORROSION PREVENTIVE
(ZINC, MAGNESIUM, AND ALUMINIUM)
NATO Supply Classification 5340]

This Australian Standard was prepared by Committee MT/14, Corrosion of Metals. It was approved on behalf of the Council of Standards Australia on 2 October 1992 and published on 15 March 1993.

The following interests are represented on Committee MT/14:

Aluminium Development Council
Australasian Corrosion Association
Australasian Institute of Metal Finishing
Australian and Overseas Telecommunications Corporation
Australian Chamber of Commerce and Industry
Australian Institute of Steel Construction
Australian Zinc Development Association
Austroads
Bureau of Steel Manufacturers of Australia
Department of Defence
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
The Australian Gas Association

Additional interests participating in preparation of Standard:

Corrosion consultants
Department of Minerals and Energy
Gas and Fuel Corporation of Victoria
Hunter Water Board
Petroleum refineries
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**Galvanic (sacrificial) anodes for
cathodic protection**

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PREFACE

This Standard was prepared under the direction of the Multitechnics Standards Policy Board by the Standards Australia Committee on Corrosion of Metals to supersede AS 2239—1979. The Standard provides information on common anode alloys available in Australia for use in cathodic protection systems such as those proposed in the AS 2832 series of Standards.

In this edition, a new designation system for anodes has been introduced, based on net alloy mass. Net alloy mass is considered to be a more important criterion than dimensions for the selection of galvanic anodes.

An additional zinc anode alloy has been introduced and aluminium alloy designations A3 and A4 have been replaced with alloy A5. In addition, three backfill compositions are specified, and information is given on their properties. To avoid confusion, this Standard requires that all anode cables be coloured red.

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