AS/NZS 2381.2:2006
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Electrical equipment for explosive atmospheres—Selection, installation and maintenance

Part 2: Flameproof enclosure ‘d’

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 16 May 2006 and on behalf of the Council of Standards New Zealand on 26 May 2006.
This Standard was published on 9 June 2006.

The following are represented on Committee EL-014:

Association of Consulting Engineers Australia
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Australian Chamber of Commerce and Industry
Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
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Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 06099.

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PREFACE

This Standard was prepared by the Standards Australia Committee on Electrical Equipment in Hazardous Areas, to supersede AS 2381.2—1993, *Electrical equipment for explosive atmospheres - Selection, installation and maintenance - Flameproof enclosure 'd'*. This is Part 2 of the AS/NZS 2381 series of Standards covering the selection, installation and maintenance of electrical equipment for use in areas where flammable materials are generated, processed, handled or stored, and which therefore are potentially explosive.

This Standard incorporates Amendment No. 1 (September 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

Each Part details requirements appropriate to one of the types of protection techniques used to achieve electrical safety. Part 1 of this series details general requirements pertaining to all types of protection techniques and therefore must be read in conjunction with this Part.

Other Standards in this series are as follows:

Part 1: General requirements

Part 6: Increased safety 'e'

Part 7: Intrinsic safety 'i'

This edition of the Standard should be considered a transitional edition pending future publication of AS/NZS 60079.14. AS/NZS 60079.14 will be based on IEC 60079-14 and is intended to supersede all Parts of the AS/NZS 2381 series. Changes in this edition have been constrained to essential items as an interim step, pending these future changes.

The requirements specified in this Standard are supplementary but not alternative to any requirements which would apply to installations in non-hazardous areas (see AS/NZS 3000).

The significant changes in this edition include—

(a) update of references to new Standards and in particular to the AS/NZS 60079 series; and

(b) alignment of cable gland requirements and other items to IEC Standards.

This Standard is intended to apply to installations, or alterations or additions thereto, made or carried out after the date of publication.

The terms 'normative' and 'informative' are used 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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