

AS 2381.10—1995

Australian Standard[®]

**Electrical equipment for explosive
atmospheres—Selection,
installation and maintenance**

**Part 10: Equipment in combustible
dust (Class II) areas**

This Australian Standard was prepared by Committee EL/14, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 21 April 1995 and published on 5 August 1995.

The following interests are represented on Committee EL/14:

Australian Chamber of Commerce and Industry
Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Australian Gas Association
Australian Institute of Petroleum
Australian Institute of Refrigeration, Air conditioning and Heating
Department of Minerals and Energy, Qld
Department of Mineral Resources N.S.W.
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PREFACE

This Standard was prepared by the Joint Australian/New Zealand Standards Committee EL/14 on Electrical Equipment in Hazardous Areas, to supersede AS 2381.10—1989.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

This is Part 10 of a series of Standards covering the selection, installation and maintenance of electrical equipment for use in areas where flammable or combustible materials are generated, processed, handled or stored and which therefore are potentially explosive.

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 should be read in conjunction with this Part.

Other Standards in this series are as follows:

- AS 2381 Electrical equipment for explosive atmospheres—Selection, installation and maintenance
- AS 2381.1 Part 1: General requirements
- AS 2381.2 Part 2: Flameproof enclosures
- AS 2381.6 Part 6: Increased safety e
- AS 2381.7 Part 7: Intrinsic safety i

Other parts of this Standard, dealing with the techniques of

Encapsulation m

Non-sparking n

Pressurization p

Sand filled q

Special protection s

are in the course of preparation.

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

Changes to the 1989 edition, include:

- (a) Editorial changes including the update of references to other Standards.
- (b) Inclusion of pressurization as an acceptable explosion protection technique.
- (c) Clarification of requirements for conduit systems covered by the AS/NZS 2053 series.

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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