AS 4623—2004

Australian Standard™

Jointing compounds and materials for use in gas pipe joints

STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee AG-011, Gas Components and Industrial Equipment. It was approved on behalf of the Council of Standards Australia on 8 October 2004.
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AGA Certification Services
Appliance and Component Testing
Australian Liquefied Petroleum Gas Association
Gas Appliance Manufacturers Association of Australia
Gas Appliances and Services Association
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PREFACE

This Standard was reviewed by the Standards Australia Committee, AG-011, Gas Components and Industrial Equipment, to supersede AG 208—1998, *Approval requirements for jointing compounds and materials for use in gas pipe joints*. The Standard is republished without technical alterations.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of electrical and electronic ignition devices for gas appliances.

This Standard should not be regarded as a design specification or as an instruction manual.

In its preparation, consideration has been given to—

(a) continuity of satisfactory operation;

(b) the prevention of fire hazards, and explosions;

(c) the prevention of injury to persons or property;

(d) gas rules and regulations now in force; and

(e) relevant International Standards.

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.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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SECTION 1 SCOPE AND DEFINITIONS

1.1 SCOPE

These requirements apply to jointing compounds and materials for use with threaded or flanged joints in pipes and fittings used in gas installations, including LPG in liquid phase, and appliances.

Compliance of a jointing compound or material with these requirements does not imply that it is acceptable for use without supplemental tests in its intended application.

1.2 DEFINITIONS

For the purpose of this Standard, the following definitions apply:

1.2.1 Authority

Means the authority having jurisdiction or such authority as delegated. (Technical Regulator).

1.2.2 Certified

Assessed by a certifying body, and having a certificate number to demonstrate compliance with a Standard.

1.2.3 Certifying body

A body acceptable to the Technical Regulator that provides assurance of compliance of appliances and components with nominated standards or other accepted safety criteria.

1.2.4 Gas

A combustible fuel gas which may be one of the following:

1.2.4.1 *Natural gas (NG)*

A hydrocarbon gas, consisting mainly of methane.

1.2.4.2 *Simulated natural gas (SNG)*

A gas comprising a mixture of LPG and air, in the approximate proportions of 55% gas and 45% air for commercial propane.

1.2.4.3 *Town gas (TG)*

A gas manufactured from coal or petroleum feedstocks.

1.2.4.4 *Tempered liquefied petroleum gas (TLP)*

A gas comprising a mixture of LPG and air, in the approximate proportions of 27% gas and 73% air for commercial propane.

1.2.4.5 *Liquefied petroleum gas (LPG)*

A gas composed predominantly of any of the following hydrocarbons, or any combination of them in the vapour phase; propane, propene (propylene), butane, butene (butylene).