

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2428.4—2004

Methods of testing smoke/heat release vents

Method 4: Determination of the effect of flame contact

RECONFIRMATION NOTICE

Technical Committee ME-062 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 13 October 2015.

The following are represented on Technical Committee ME-062:

Air Conditioning & Mechanical Contractors Association
Australasian Fire and Emergency Service Authorities Council
Australian Building Codes Board
Australian Industry Group
Australian Institute of Refrigeration Air Conditioning and Heating
Chartered Institution of Building Services Engineers
Climate Control Companies Association
Consumer Electronics Suppliers Association
Department of Health and Human Services (TAS)
Engineers Australia
Facility Management Association of Australia
Institute of Refrigeration Heating & AirConditioning Engineers of New Zealand
NATSPEC
The Insulation Contractors Association of Australia NSW
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NOTES

Australian Standard™

AS 2428.4

Methods of testing smoke/heat release vents

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PREFACE

This Standard was prepared by Standards Australia Committee ME-062, Ventilation and Air Conditioning to supersede AS 2428.4—1981, *Methods of testing smoke/heat release vents*, Part 4: *Determination of the effect of flame contact*.

The main changes from the 1981 edition are summarized as follows:

Test fail criteria was added.

METHOD

1 SCOPE

This standard sets out the method for determining the ability of a smoke/heat release vent to operate and to continue to function as a vent when in contact with a specified flame.

2 APPLICATION

This is a type test to be applied to one size of a range of sizes of vents of similar design.

3 PRINCIPLE

The smoke/heat release vent is mounted over a gas burner and the effect of contact with a specified flame is observed.

4 TEST SPECIMEN

The vent to be tested shall be full-size or have a total area of 2.5 m² to 3.75 m². Full-size vents having an area less than 2.5 m² shall be mounted in roof sheeting to provide a total area of 2.5 m² to 3.75 m².

The vent shall be fitted with a thermally released link with an operating temperature of 141°C.

The vent shall be mounted on legs so that a sheet metal draught curtain can be fitted. The draught curtain shall surround the legs and extend to a depth of 300 ±10 mm from the lowest part of the vent opening. The lower edge of the draught curtain shall be approximately horizontal and not less than 300 mm above the floor level.