

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2428.5-2004

Methods of testing smoke/heat release vents

Method 5: Determination of discharge coefficient and effective aerodynamic area

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
Victorian Building Authority

NOTES

Australian Standard™

AS 2428.5

Methods of testing smoke/heat release vents**Method 5: Determination of discharge coefficient and effective aerodynamic area**

PREFACE

This Standard was prepared by Standards Australia Committee ME-062, Ventilation and Air Conditioning to supersede AS 2428.5—1983, *Methods of testing smoke/heat release vents, Part 5: Determination of discharge coefficient and effective aerodynamic area*.

The Standard is re-published without any technical changes from its 1983 edition.

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.

METHOD

1 SCOPE

This Standard sets out the method for determining the discharge coefficient and the effective aerodynamic area of a smoke/heat release vent.

NOTE: The value of the coefficient of discharge determined for the tested specimen may be applied to another vent having, with respect to the tested specimen—

- (a) similar form of construction;
- (b) similar width; and
- (c) length within ± 50 percent of the specimen length.

2 REFERENCED DOCUMENTS

The following Standards are referred to in this Standard:

AS

2360 Pressure differential methods

2360.1.1 Part 1.1: Measurement using orifice plates, nozzles or Venturi tubes—Conduits from 50 mm to 1200 mm

2427 Smoke/heat release vents

BS

848 Fans for general purposes

848.1 Part 1: Performance testing using standardized airways