

Australian Standard™

Methods of testing smoke/heat release vents

Method 4: Determination of the effect of flame contact

AS 2428.4

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.