

AS 4072.1—2005
(Incorporating Amendment No. 1)

AS 4072.1—2005

Australian Standard™

**Components for the protection of
openings in fire-resistant separating
elements**

**Part 1: Service penetrations and control
joints**



This Australian Standard was prepared by Committee FP-019, Passive Fire Protection. It was approved on behalf of the Council of Standards Australia on 7 July 2005.

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The following are represented on Committee FP-019:

Architectural Hardware Industry Association
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
Building Research Association of New Zealand
CSIRO Manufacturing and Infrastructure Technology
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PREFACE

This Standard was prepared by the Standards Australia Committee FP-019, Passive Fire Protection, to supersede AS 4072.1—1992.

This Standard incorporates Amendment No. 1 (March 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide the building industry with minimum requirements for the application of fire resistance tests and installation of fire protection systems for service penetrations and control joints through fire-resistant separating elements of construction, to facilitate the required fire resistance of the separating elements.

The previous edition included defined test configurations for the evaluation of penetration sealing systems and control joint sealing systems in fire-separating elements of construction, together with the application of test results. Requirements for standard configurations and permissible variations that do not require assessment have been moved from this Standard to AS 1530.4, *Methods for fire tests on building materials, components and structures*, Part 4: *Fire resistance test of elements of construction*, in line with the ISO 834 *Fire resistance tests—Elements of building construction*, Standards. As such, this Standard is to be used in conjunction with the appropriate clauses of AS 1530.4.

Clarity has been improved and provision has been made for greater flexibility in the assessment of alternative plastic pipe materials, due to the large increase in the range of plastic pipes available, thus reducing fire testing costs whilst providing for a reasonable level of confidence in the likely performance of the pipe fire protection systems.

This Edition includes advice on documentation of installations, to facilitate correct installation and record keeping, which has been identified as a significant problem in buildings constructed during the last 10 years.

This Standard will be referenced in the Building Code of Australia (BCA) by way of BCA 2006 to be published by 1 May 2006, thereby superseding the previous edition, AS 4072.1—1992.

The requirements for maintenance of service penetrations and control joints are not covered in this Standard.

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.

This Standard incorporates a Commentary on some clauses. The Commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.

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