

Fire tests for building elements and components — Fire testing of service installations —

Part 1: Penetration seals

ICS 13.220.50; 91.140.01

National foreword

This British Standard is the UK implementation of ISO 10295-1:2007.

The UK participation in its preparation was entrusted by Technical Committee FSH/22, Fire resistance tests, to Subcommittee FSH/22/3, Test procedures for fire penetration and seals.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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Fire tests for building elements and components — Fire testing of service installations —

Part 1: Penetration seals

*Essais au feu pour les éléments et composants de bâtiment — Essai au
feu des installations de service —*

Partie 1: Joints d'étanchéité



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10295-1 was prepared by Technical Committee ISO/TC 92, *Fire safety*, Subcommittee SC 2, *Fire containment*.

ISO 10295 consists of the following parts, under the general title *Fire tests for building elements and components — Fire testing of service installations*:

— *Part 1: Penetration seals*

A Part 2 dealing with linear joint (gap) seals and a Part 3 dealing with the methodology for establishing direct and indirect fields of application for single component penetration seals are under preparation.

Introduction

This part of ISO 10295 has been prepared to provide a method of test for assessing the contribution of a penetration sealing system to the fire resistance of separating elements when they have been penetrated by a service. It should be read in conjunction with ISO 834-1. This part of ISO 10295 contains specific requirements for fire resistance testing that are unique to the elements of building construction described as a penetration sealing system. The requirements for these penetration sealing systems are intended to be applied as appropriate in conjunction with the detailed and general requirements contained in ISO 834-1.

