

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

BASIC SAFETY PUBLICATION

PUBLICATION FONDAMENTALE DE SÉCURITÉ

**Fire hazard testing –  
Part 9-2: Surface spread of flame – Summary and relevance of test methods**

**Essais relatifs aux risques du feu –  
Partie 9-2: Propagation des flammes en surface – Résumé et pertinence des  
méthodes d'essai**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FIRE HAZARD TESTING –

Part 9-2: Surface spread of flame –  
Summary and relevance of test methods

## FOREWORD

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International Standard IEC 60695-9-2 has been prepared by IEC technical committee 89: Fire hazard testing.

It has the status of a basic safety publication in accordance with IEC Guide 104 and ISO/IEC Guide 51.

This first edition cancels and replaces the second edition of IEC TS 60695-9-2 published in 2005. This edition constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
89/1202/FDIS	89/1209/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the 60695 series, under the general title *Fire hazard testing*, can be found on the IEC web site.

This International standard is to be used in conjunction with IEC 60695-9-1.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

Withdrawn

## INTRODUCTION

The risk of fire needs to be considered in any electrical circuit. The objective of component, circuit and equipment design, as well as the choice of materials, is to reduce the likelihood of fire, even in the event of foreseeable abnormal use, malfunction or failure.

Electrotechnical products, primarily as victims of fire, may nevertheless contribute to the fire. Fire hazard increases as the burning area increases, leading in some cases to flashover and a fully developed fire. This is a typical fire scenario in buildings. It is therefore useful to measure the rate and extent of the surface spread of flame.

This part of IEC 60695-9 describes surface spread of flame test methods in common use to assess electrotechnical products or materials used in electrotechnical products. It forms part of the IEC 60695-9 series which gives guidance to product committees wishing to incorporate test methods for surface spread of flame in product standards.

IEC 60695-9 consists of the following parts:

- Part 9-1: *Surface spread of flame – General guidance*
- Part 9-2: *Surface spread of flame – Summary and relevance of test methods.*

Withdrawing