

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

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EESTI STANDARDI EESSÕNA

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**Fire hazard testing -
Part 9-2: Surface spread of flame -
Summary and relevance of test methods
(IEC 60695-9-2:2014)**

Essais relatifs aux risques du feu -
Partie 9-2: Propagation des flammes
en surface -
Résumé et pertinence des méthodes
d'essai
(CEI 60695-9-2:2014)

Prüfungen zur Beurteilung der
Brandgefahr -
Teil 9-2: Flammenausbreitung auf
Oberflächen -
Zusammenfassung und Anwendbarkeit
der Prüfverfahren
(IEC 60695-9-2:2014)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 89/1202/FDIS, future edition 1 of IEC 60695-9-2, prepared by IEC/TC 89 "Fire hazard testing" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60695-9-2:2014.

The following dates are fixed:

- latest date by which the document has to be (dop) 2015-01-10
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2017-04-10
standards conflicting with the
document have to be withdrawn

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

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

Endorsement notice

The text of the International Standard IEC 60695-9-2:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60695-11-10	NOTE	Harmonized as EN 60695-11-10.
IEC 60695-11-20	NOTE	Harmonized as EN 60695-11-20.
IEC 60332-1-1	NOTE	Harmonized as EN 60332-1-1.
IEC 60332-1-2	NOTE	Harmonized as EN 60332-1-2.
IEC 60332-1-3	NOTE	Harmonized as EN 60332-1-3.
IEC 60332-2-1	NOTE	Harmonized as EN 60332-2-1.
IEC 60332-2-2	NOTE	Harmonized as EN 60332-2-2.
IEC 60332-3-10	NOTE	Harmonized as EN 60332-3-10.
IEC 60332-3-21	NOTE	Harmonized as EN 60332-3-21.
IEC 60332-3-22	NOTE	Harmonized as EN 60332-3-22.
IEC 60332-3-23	NOTE	Harmonized as EN 60332-3-23.
IEC 60332-3-24	NOTE	Harmonized as EN 60332-3-24.
IEC 60332-3-25	NOTE	Harmonized as EN 60332-3-25.

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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60695-4	-	Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products	EN 60695-4	-
IEC 60695-9-1	-	Fire hazard testing - Part 9-1: Surface spread of flame - General guidance	EN 60695-9-1	-
IEC Guide 104	-	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO/IEC Guide 51	-	Safety aspects - Guidelines for their inclusion in standards	-	-
ISO 13943	2008	Fire safety - Vocabulary	EN ISO 13943	2010

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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.*