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Interested committees:

Title: Draft BS EN 16647-2 BS Alcohol powered flueless fireplaces - Safety requirements and test methods. Part 2: Automatically operated decorative fireplaces for domestic use.

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Full document details: 25/30509327 DC

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Alcohol powered flueless fireplaces - Safety requirements
and test methods - Part 2: Automatically operated
decorative fireplaces for domestic use

Alkoholbetriebene abzugslose Feuerstätten -
Sicherheitstechnische Anforderungen und
Prüfmethode - Teil 2: Automatisch betriebene
dekorative Feuerstätten für den Haushaltsbereich;
Deutsche und Englische Fassung prEN 16647-2:2024

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 46.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document prEN 16647-2:2025 has been prepared by Technical Committee CEN/TC 46 “Fireplaces for liquid fuels”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 16647:2015.

EN 16647 consists of the following parts:

- FprEN 16647-1:2025¹, Alcohol powered flueless fireplaces — Safety requirements and test methods
— Part 1: Manually operated decorative fireplaces for domestic use
- prEN 16647-2:2025, Alcohol powered flueless fireplaces — Safety requirements and test methods
— Part 2: Automatically operated decorative fireplaces for domestic use

¹ Under preparation

1 Scope

This document applies to decorative, automatically controlled fireplaces for domestic use, producing a flame using liquid alcohol, hereafter referred to as fuel, for decoration.

NOTE 1 The requirements outlined in this document can be applied even outside domestic settings. In that case additional or different rules on the use of the fireplaces can apply.

This document applies to decorative fireplaces that do not require manual user interaction during normal operation. These fireplaces include electric or electronic components that control the basic operation (incl. automatic filling system).

NOTE 2 These components control the safe operation and avoid hazards such as:

- Fuel spillage while filling
- Overfilling
- Fuel explosion while igniting
- Accidental ignition while refilling
- Overheating
- Unsuccessful extinguishing

The document applies only to fireplaces for use in indoor areas.

This document applies to free-standing, wall-mounted and built-in fireplaces.

This document applies to fireplaces ready for use, whose burner is an integral component of the fireplace.

This document does not apply to fireplaces specifically designed for heating food or keeping food warm (rechauds), as well as to fireplaces for use in boats, caravans, other.

This document does not apply to fireplaces with declared heating function.

This document does not apply to fireplaces, that are connected to a flue.

NOTE 3 Because of the safety component of automatically operated fireplaces this scope is not limited to a specific heat output or fuel consumption. Regarding heat output limits, national legislation can apply.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10088-3, *Stainless steels — Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resistant steels for general purposes*

EN 13501-1:2018, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

FprEN 16647-1:2025,¹ *Fireplaces for liquid fuels - Decorative appliances producing a flame using alcohol-based or gelatinous fuel – Use in private households*

EN 60335-1, *Household and similar electrical appliances — Safety — Part 1: General requirements (IEC 60335 1:2010, modified)*

EN 60335-2-102, *Household and similar electrical appliances — Safety — Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections*

EN IEC/IEEE 82079-1, *Preparation of information for use (instructions for use) of products — Part 1: Principles and general requirements*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

fireplace

electronically controlled, decorative, liquid ethanol-fuelled appliance that does not require to be connected to flue liner system, equipped with all parts and accessories, intended for decorative purposes and not intended for heating purposes

3.2

controller

main electronic circuit equipped with a suitable electronic circuitry that controls fireplace functions and receives and transmits specific signals to specific parts and subcomponents

3.3

safety circuit

component of the fireplace control system designed to autonomously detect hazards to the appliance, its environment, or the user, and to initiate appropriate actions in response to the detected hazards without user intervention

Note 1 to entry: Appropriate action is considered to be any action to eliminate or minimize the hazard by:

- extinguishing the fireplace;
- extinguishing and locking the appliance, until user interference;
- preventing the user from altering the appliance status;
- informing the user about the hazard that has occurred;
- informing the user about the action that could lead to the hazard;
- informing the user about other relevant information.

3.4

non-combustible material

material classified as A2-s1, d0 as per EN 13501-1:2018

3.5

surround

structure in which the fireplace is installed

3.6

minimum room volume

minimum required capacity of a room that enables efficient operation of the fireplace and ensures that parameters intended are met, specified in the installation instructions