



NSAI
Standards

Irish Standard
I.S. EN 16647:2015

Fireplaces for liquid fuels - Decorative appliances producing a flame using alcohol based or gelatinous fuel - Use in private households

I.S. EN 16647:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

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National Foreword

I.S. EN 16647:2015 is the adopted Irish version of the European Document EN 16647:2015, Fireplaces for liquid fuels - Decorative appliances producing a flame using alcohol based or gelatinous fuel - Use in private households

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

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN 16647

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 97.100.99

English Version

**Fireplaces for liquid fuels - Decorative appliances
producing a flame using alcohol based or gelatinous fuel -
Use in private households**

Foyers pour combustibles liquides - Appareils
décoratifs produisant une flamme à l'aide de
combustible à base d'alcool ou de combustible gélatiné -
Utilisation domestique

Feuerstellen für flüssige Brennstoffe - Dekorative
Geräte, die unter Verwendung eines Alkohol basierten
flüssigen oder gelförmigen Brennstoffes eine Flamme
erzeugen - Nutzung im privaten Haushaltbereich

This European Standard was approved by CEN on 1 August 2015.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16647:2015 (E)

European foreword

This document (EN 16647:2015) has been prepared by Technical Committee CEN/TC 46 "Fireplaces for liquid fuels", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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

This document defines the requirements for the construction and operating methods, the operation tests, as well as for the production, labelling and the instruction manuals of decorative fireplaces/appliances producing a flame using liquid or gelatinous alcohol based fuels.

This document contains definitions regarding the technical safety of the appliances.

The requirements listed in the document refer to appliances which are ready for use only. Single components - like simple burner cups - are not considered herein (and are not considered safe when used on their own).

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard applies for decorative fireplaces/appliances for domestic use, producing a flame using alcohol, hereafter referred to as fuel, in liquid or gelatinous fuel for decoration.

NOTE 1 The requirements are strictly applied even when used in other areas. Outside the private household and outdoor area can apply more or different rules on the use of the appliances.

This European Standard applies to free-standing, wall-mounted and built-in appliances with a maximum power output of 4,5 kW.

This European Standard applies for appliances ready for use, whose burner is of one unit or are an integral component of the appliances but not for appliances with a fuel tank separate from the appliance.

This European Standard does not apply for appliances specifically designed for heating food or keeping food warm (rechauds), as well as for appliances for use in boats, caravans, other vehicles or outdoor areas.

This European Standard does not apply for appliances with a power output higher than 4,5 kW or with a defined heating function.

NOTE 2 National regulation may restrict the power output to less than 4,5 kW.

2 Normative references

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.

EN 1023-3, *Office furniture — Screens — Part 3: Test methods*

EN 13240, *Roomheaters fired by solid fuel — Requirements and test methods*

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

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

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 (IEC 60335-2-102)*

EN ISO 13732-1, *Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces (ISO 13732-1)*

IEC 60417-DB-12M, *Graphical symbols for use on equipment — 12-month subscription to online database comprising all graphical symbols published in IEC 60417 and ISO 7000 Graphical symbols for use on equipment*

ISO 3864 (all parts), *Graphical symbols — Safety colours and safety signs*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

ISO/IEC Guide 37, *Instructions for use of products by consumers*

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