

Irish Standard I.S. EN 16510-1:2018

Residential solid fuel burning appliances -Part 1: General requirements and test methods

© CEN 2018 No copying without NSAI permission except as permitted by copyright law.

I.S. EN 16510-1:2018

EN 16510-1:2018

under the authority of the NSAI

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

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

S.R.~xxx: Standard~Recommendation-recommendation~based~on~the~consensus~of~an~expert~panel~and~subject~to~public~consultation.

SWiFT~xxx: A~rapidly~developed~recommendatory~document~based~on~the~consensus~of~the~participants~of~an~NSAI~workshop.

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):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on: Published:

This document was published ICS number:

and comes into effect on: 01.040.91 91.140.10

2018-08-13 97.040.20 97.100.30

NOTE: If blank see CEN/CENELEC cover page

2018-07-25

NSAI T +353 1 807 3800 Sales:

 1 Swift Square,
 F +353 1 807 3838
 T +353 1 857 6730

 Northwood, Santry
 E standards@nsai.ie
 F +353 1 857 6729

 Dublin 9
 W NSAI.ie
 W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

National Foreword

I.S. EN 16510-1:2018 is the adopted Irish version of the European Document EN 16510-1:2018, Residential solid fuel burning appliances - Part 1: General requirements and test methods

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

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

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

This is a free page sample. Access the full version online.

This page is intentionally left blank

EUROPEAN STANDARD

EN 16510-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2018

ICS 01.040.91; 91.140.10; 97.040.20; 97.100.30

Supersedes EN 12809:2001, EN 12815:2001. EN 13229:2001, EN 13240:2001

English Version

Residential solid fuel burning appliances - Part 1: General requirements and test methods

Appareils de chauffage domestiques à combustion solide - Partie 1: Exigences générales et méthodes d'essai

Häusliche Feuerstätten für feste Brennstoffe - Teil 1: Allgemeine Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 24 March 2017.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

EN 16510-1:2018 (E)

Cont	ontents		
Europ	ean foreword	7	
1	Scope	8	
2	Normative references	8	
3	Terms and definitions	10	
4	Classification of appliances and system boundary for roomsealed appliances		
4.1	Classification of appliances		
4.2	System boundary		
5	Performance requirements in relation to materials, design and construction		
5.1	Production documentation		
5.2	Construction and materials		
5.2.1	General construction		
5.2.2	Integral boiler or heat exchanger		
5.2.3	Cleaning of heating surfaces		
5.2.4	Flue gas outlet		
5.2.5	Flueways		
5.2.6	Ashpan and ash removal		
5.2.7	Bottomgrate	30	
5.2.8	Combustion air supply	31	
5.2.9	Damper		
	Charging doors andash-pit doors		
	Flue bypass device		
	Internal flue gas diverter		
	Front firebars		
	Solid mineral fuel and peat briquettes burning appliances		
	Draught regulator		
5.3	Sound level		
6	Performance requirements in relation to safety	32	
6.1	Natural draught		
6.2	Open operation of an appliance		
6.3	Strength and leaktightness of boiler shells		
6.4	Temperature rise in the fuel storage (other than the fuel hopper)		
6.5	Temperature rise of the operating components		
6.6	Temperature of adjacent combustible materials		
6.7	Safety devices for appliances fitted with a boiler		
6.7.1	General		
6.7.2	Appliances intended for sealed water systemsSafety devices for appliances fitted with a heat exchangers that are not directly i		
6.7.3	with fire		
6.8	Electrical safety and functional safety of electrical components		
6.8.1	General		
6.8.2	Electrical safety		
6.8.3	Functional safety of control functions with electrical components		
6.9	Safety requirements of roomsealed appliances		
6.10	Minimum distances from non combustible walls		
6.11	Requirements for appliances suitable for a shared flue system		



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--------------------------------------------------------------------------	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation