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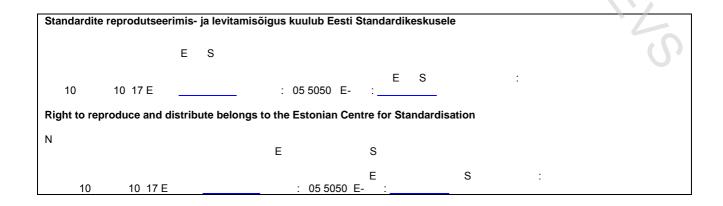


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NATIONAL FOREWORD

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Slow heat release appliances fired by solid fuel - Requirements and test methods

Appareils de chauffage domestique à combustible solide à libération lente de chaleur - Exigences et méthodes d'essai

Speicherfeuerstätten für feste Brennstoffe - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 13 January 2007.

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 Management Centre or to any CEN member.

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Foreword

This document (EN 15250:2007) has been prepared by Technical Committee CEN/TC 295 "Residential solid fuel burning appliances", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by September 2007, and conflicting national standards shall be withdrawn at the latest by September 2007.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



1 Scope

This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) instructions and marking together with associated test methods and test fuels for type testing residential slow heat release appliances fired by solid fuel.

This European Standard is applicable to hand fuelled intermittent burning slow heat release appliances having thermal storage capacity such that they can provide heat for a declared period of time after the fire has gone out. This European Standard also specifies a minimum time period from the appliance achieving the maximum differential surface temperature and falling to 50 % of that maximum value. These appliances provide heat into the space where they are installed.

These slow heat release appliances may be supplied either as an assembled appliance or as a manufacturer's pre-designed unit consisting of pre-fabricated components designed to be built on site in accordance with the manufacturer's specified assembly instructions. One off installations are not included.

These appliances may burn either solid mineral fuels, peat briquettes, natural or manufactured wood logs or be multi-fuel in accordance with the appliance manufacturer's instructions. Wood pellets which are hand fuelled may also be burned either on the existing appliance bottomgrate or in a special basket arrangement which is placed by the user into the existing firebox.

This European Standard is not applicable to mechanically fed appliances, appliances having fan assisted combustion air or appliances with boiler.

2 Normative references

The following referenced documents are indispensable for the application 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 50165:1997, Electrical equipment for non-electric appliances for household and similar purposes — Safety requirements

ISO 334:1992, Solid mineral fuels — Determination of total sulfur — Eschka method

ISO 351:1996, Solid mineral fuels — Determination of total sulfur — High temperature combustion method

ISO 501:2003, Hard coal — Determination of the crucible swelling number

ISO 562:1998, Hard coal and coke — Determination of volatile matter

ISO 609:1996, Solid mineral fuels — Determination of carbon and hydrogen — High temperature combustion method

ISO 687:2004, Solid mineral fuels — Coke — Determination of moisture in the general analysis test sample

ISO 1171:1997, Solid mineral fuels — Determination of ash

ISO 1928:1995, Solid mineral fuels — Determination of gross calorific value by the bomb calorimetric method, and calculation of net calorific value

ISO 2859 (all parts), Sampling procedures for inspection by attributes

ISO 11722:1999, Hard coal — Determination of moisture in the general analysis test sample by drying in nitrogen