

**Korstnad. Nõuded metallist korstnatele. Osa 1:
Moodulkorstna tooted**

Chimneys - Requirements for metal chimneys - Part 1:
System chimney products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1856-1:2005 sisaldab Euroopa standardi EN 1856-1:2003 ingliskeelset teksti.

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English version

Chimneys - Requirements for metal chimneys - Part 1: System chimney products

Conduits de fumée - Prescriptions pour les conduits de fumée métalliques - Partie 1: Composants de systèmes de conduits de fumée

Abgasanlagen - Anforderungen an Metall-Abgasanlagen - Teil 1: Bauteile für System-Abgasanlagen

This European Standard was approved by CEN on 17 January 2003.

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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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 1856-1:2003) has been prepared by Technical Committee CEN/TC 166, "Chimneys", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by December 2003, and conflicting national standards shall be withdrawn at the latest by March 2005.

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.

Annexes A, B, C and D are normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Standard has been prepared to be a harmonised standard to provide means of conforming to the essential requirements of the Construction Products Directive and associated EFTA regulations.

The generic word "chimney", when used in this standard, refers to systems with metallic liner used to convey the products of combustion from any appliance to the outside atmosphere, and thus includes all other terms of common use in the trade, such as: vents, flues, shafts, exhaust systems, ducts, etc.

This standard addresses the durability against corrosion by the use of a minimum material specification for the flue liner as well as an interim solution for testing products for durability against corrosion. Three corrosion resistance tests and their requirements have been adopted from existing corrosion testing being undertaken in various member states (see annex A).

Is intended to review the interim solution within a period of 5 years with the intention to develop a unique test method for durability against corrosion as a final solution.

This standard describes chimney components, from which system chimneys can be assembled as illustrated in Figure 1.

1 Scope

This standard specifies the performance requirements for single- and multi-wall system chimney products with metallic liners (chimney sections, chimney fittings and terminals, including supports) used to convey the products of combustion from appliances to the outside atmosphere. It also specifies the requirements for marking, manufacturer's instructions, product information and evaluation of conformity. Metal liners and metal connecting flue pipes not covered here, are included in prEN 1856-2:1996.

This standard does not apply to structurally independent (free standing or self-supporting) chimneys.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 573-3	<i>Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition.</i>
EN 1443:2003	<i>Chimneys - General requirements.</i>
EN 1859:2000	<i>Chimneys - Metal chimneys - Test methods.</i>
EN 10088-1	<i>Stainless steel - Part 1: List of stainless steels.</i>
prEN 12391	<i>Chimneys - Metal chimneys.</i>
EN 13384-1:2002	<i>Chimneys - Thermal and fluid dynamic calculation methods - Part 1: Chimneys serving one appliance.</i>
EN ISO 3651-2	<i>Determination of resistance to intergranular corrosion of stainless steels. Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels. Corrosion test in media containing sulfuric acid (ISO 3651-2:1998).</i>

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

3.1

appliance outlet

position where the products of combustion exit from the appliance (see Figure 1)

3.2

chimney

structure consisting of a wall or walls enclosing a flue or flues

[EN 1443:2003]

3.3

chimney accessory

chimney component not conveying products of combustion

[EN 1443:2003]

3.4

chimney component

any part of a chimney

[EN 1443:2003]

3.5

chimney designation

shortened description of a specific chimney type, which clearly distinguishes it from any other types

3.6

chimney fitting

chimney component conveying products of combustion except a chimney section (see Figure 1)

[EN 1443:2003]

3.7

chimney section

straight chimney component conveying products of combustion (see Figure 1)

[EN 1443:2003]

3.8

cladding

additional non-structural outer wall around a chimney for protection against heat transfer or weathering, or for decorative purposes (see Figure 1)

[EN 1443:2003]

3.9

connecting flue pipe

component or components connecting the heating appliance outlet and the chimney (see Figure 1)

[EN 1443:2003]