

**Korstnad. Komponendid. Betoonist
lõõrivooderdised KONSOLIDEERITUD TEKST**

Chimneys - Components - Concrete flue liners
CONSOLIDATED TEXT

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1857:2005+A1:2008 sisaldab Euroopa standardi EN 1857:2003+A1:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 24.04.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 27.02.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1857:2005+A1:2008 consists of the English text of the European standard EN 1857:2003+A1:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 24.04.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 27.02.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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Võtmesõnad: komponendid, korstnad, pinnatöötlus, vastavushindamine

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English Version

Chimneys - Components - Concrete flue liners

Conduits de fumée - Composants - Conduits intérieurs en
béton

Abgasanlagen - Bauteile - Betoninnenrohre

This European Standard was approved by CEN on 2 December 2002 and includes Amendment 1 approved by CEN on 2 December 2007 and the Corrigendum issued by CEN on 25 April 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.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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.



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Foreword

This document (EN 1857:2003+A1:2008) 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 August 2008 and conflicting national standards shall be withdrawn at the latest by August 2008.

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 Directives.

For the relationship with the EU Directives, see informative Annex ZA, which is an integral part of this document.

This document includes Amendment 1 approved by CEN on 2007-12-02 and the corrigendum issued in 2007.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

The modifications of the related CEN Corrigenda have been implemented at the appropriate places in the text and are indicated by the tags **AC** **AC**.

This document supersedes EN 1857:2003.

This standard is one of a series of standards dealing with the specification, design, testing and execution of chimneys with concrete liners, both single and multi wall.

The co-ordinated package of standards is further divided by material of construction and this European Standard is one of a series of specifications and execution documents dealing with design and execution of concrete chimney products and systems.

The standards in this series for concrete chimney products are :

EN 1857, *Chimneys - Components - Concrete flue liners*

EN 1858, *Chimneys - Components - Concrete flue blocks*

EN 12446, *Chimneys - Components - Concrete outer wall elements*

In this European Standard the Annexes A, C and D are normative and Annexes B and ZA are informative.

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 the material, dimensional and performance requirements, including methods of test, for factory-made concrete flue liners and fittings for the construction of multi-wall chimneys.

This standard also applies to storey-height and reinforced flue liners.

NOTE 1 Classes in this standard, unless otherwise specified, e.g. temperature pressure, are not derived from conditions referred to in article 3.2 of Directive 89/106/EC, and should only be considered as technical classes in the sense of Commission Guidance Paper E 'Levels and classes in the Construction Products Directive'.

NOTE 2 Any reference to the term flue liners implies both flue liners and their fittings, except where otherwise indicated.

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 1443:2003, *Chimneys — General requirements*

EN 1859:2000, *Chimneys— Metal chimneys — Test methods*

EN 10088-2, *Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes*

EN 10218-2, *Steel wire and wire products - General — Part 2: Wire dimensions and tolerances*

EN 13384-1 *Chimneys – Thermal and fluid dynamic calculation methods – Part 1: Chimneys serving one appliance*

EN 14297:2004, *Chimneys - Freeze-thaw resistance test method for chimney products*

EN ISO 7500-1, *Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Verification and calibration of the force-measuring system (ISO 7500-1:2004)*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptable quality limit (AQL) for lot-by-lot inspection*

3 Terms and definitions

For the purposes of this European Standard the terms and definitions given in EN 1443:2003 and the following apply.

3.1

flue liner bend

flue liner that changes the direction of the flue