

**Korstnad. Savi/keraamiliste
lõõrivoodritega korstnasüsteemid. Osa
1: Nõuded ja katsemeetodid
tahmapõlengukindlusele
KONSOLIDEERITUD TEKST**

Chimneys - System chimneys with clay/ceramic flue
liners - Part 1: Requirements and test methods for
sootfire resistance CONSOLIDATED TEXT

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13063-1:2006+A1:2007 sisaldab Euroopa standardi EN 13063-1:2005+A1:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.09.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13063-1:2006+A1:2007 consists of the English text of the European standard EN 13063-1:2005+A1:2007.</p> <p>This document is endorsed on 14.09.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the requirements and test methods for multiwall soot fire resistant system chimneys, working under dry conditions, with corrosion resistance 3, with negative pressure (see EN 1443) in which the products of combustion are conveyed to the atmosphere through clay/ceramic flue liners. Marking and inspection are also covered by this standard. This standard does not apply to structurally independent (free standing or self-supporting) system chimneys.</p>	<p>Scope:</p> <p>This European Standard specifies the requirements and test methods for multiwall soot fire resistant system chimneys, working under dry conditions, with corrosion resistance 3, with negative pressure (see EN 1443) in which the products of combustion are conveyed to the atmosphere through clay/ceramic flue liners. Marking and inspection are also covered by this standard. This standard does not apply to structurally independent (free standing or self-supporting) system chimneys.</p>
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English Version

Chimneys - System chimneys with clay/ceramic flue liners - Part 1: Requirements and test methods for sootfire resistance

Conduits de fumées - Conduits-systèmes avec conduit
intérieur en terre cuite/céramique - Partie 1: Exigences et
méthodes d'essai relatives à la détermination de la
résistance au feu de cheminée

Abgasanlagen - System-Abgasanlagen mit Keramik-
Innenrohren - Teil 1: Anforderungen und Prüfungen für
Rußbrandbeständigkeit

This European Standard was approved by CEN on 2 September 2005 and includes Amendment 1 approved by CEN on 14 June 2007.

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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 CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 13063-1:2005+A1:2007) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by UNI.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2008 and conflicting national standards shall be withdrawn at the latest by April 2009.

This document includes Amendment 1 approved by CEN on 2007-06-14.

This document supersedes EN 13063-1:2005.

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

This European Standard 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.

This standard is part 1 of a series of standards for system chimneys with clay/ceramic flue liners.

Part 2 is for system chimneys working under wet conditions and part 3 is for system air flue chimneys.

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 requirements and test methods for multiwall soot fire resistant system chimneys, working under dry conditions, with corrosion resistance 3, with negative pressure (see EN 1443) in which the products of combustion are conveyed to the atmosphere through clay/ceramic flue liners. Marking and inspection are also covered by this standard.

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

A soot fire resistant system chimney has the following items where appropriate:

- clay/ceramic flue liners;
- Insulation layer;
- outer walls;
- mortar for jointing flue liners;
- mortar for jointing outer walls;
- terminal;
- chimney base;
- cladding;
- opening section;
- cleaning and inspection door;
- distance piece;
- reinforcement.

The soot fire resistant chimney covers a combination of compatible chimney components, obtained or specified from one manufacturing source with product responsibility for the whole chimney.

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 998-2:2003, *Specification for mortar for masonry – Part 2: Masonry mortar*

EN 1366-8, *Fire resistance tests for service installations – Part 8: Smoke extraction ducts*

EN 1443:2003, *Chimneys – General requirements*

EN 1457:1999, *Chimneys – Clay/ceramic flue liners – Requirements and test methods*

EN 1806:2006 ^{A1}, *Chimneys – Clay/ceramic flue blocks for single wall chimneys – Requirements and test methods*

EN 1859, *Chimneys – Metal chimneys – Test methods*

EN 12446:2003, *Chimneys – Components – Concrete outer wall elements*

EN 13069:2005, *Chimneys – Clay/ceramic outer walls for system chimneys – Requirements and test methods*

EN 13162:2001, *Thermal insulation products for buildings – Factory made mineral wool (MW) products – Specification*

EN 13216-1:2004, *Chimneys – Test methods for system chimneys – Part 1: General test methods*

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

EN 13501-2, *Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services*

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

EN ISO 1182, *Reaction to fire tests for building products – Non-combustibility test (ISO 1182:2002)*

ISO 2859-1, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance 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 EN 13216-1:2004 and the following apply.

3.1

soot fire resistant multiwall system chimney

multiwall construction, consisting mainly of an outer wall, an insulation layer and a sootfire resistant inner clay/ceramic flue liner. The combination of these components forms a sootfire resistant system chimney (see Figure 1)