E ANSOCHMONE Ker Korstnad. Keraamilised lõõrid. Nõuded ja katsemeetodid

Chimneys -Clay/Ceramic Flue Liners - Requirements and test methods



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1457:1999 sisaldab Euroopa standardi EN 1457 1999 ingliskeelset teksti.

Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1457:1999 consists of the English text of the European standard EN 1457:1999.

This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.

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EUROPEAN STANDARD NORME EUROPÉENNE **EUROPÄISCHE NORM**

EN 1457

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Descriptors: flue ducts, ceramics, definitions, classifications, dimensional tolerances, compressive strength, thermal shock tests, water absorption tests, density (mass/volume), acid resistance, sampling, tests, designation, marking

English version

neys - Clay/Ceramic Flue Liners - Requirements and test methods

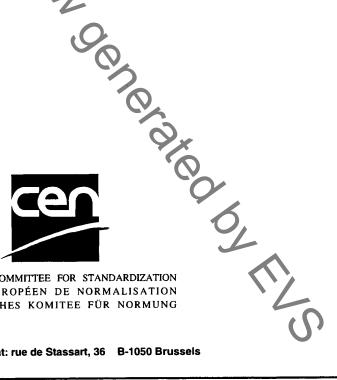
Conduits de fumée - Conduits intérieurs en terre cuite/ceramique - Exigences et méthodes d'essai Abgasanlagen - Keramik-Innenrohre - Anforderungen und Prüfungen

This European Standard was approved by CEN on 26 December 1998.

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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 Central Secretariat has the same status as the official versions.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard 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 July 1999, and conflicting national standards shall be withdrawn at the latest by July 1999.

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).

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

On drafting this standard the provisional requirements already available from prEN 1443 were taken into account. When further requirements are received, any necessary amendments will be made.

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1 Scope

This European standard is a product standard for clay/ceramic flue liners with solid walls or walls with vertical perforations for use in the construction of chimneys and flue pipes which serve to convey products of combustion from fireplaces or heating appliances to the atmosphere by negative or positive pressure. It includes the flue liners used for domestic and industrial chimneys which are not structurally independent (free-standing). This standard specifies the performance requirements for factory made flue liners and chimney fittings. Testing, marking and inspection are covered by this standard.

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.

| EN 312-4 | Particleboards - Specifications - Part 4: Requirements for load-bearing boards for use in dry conditions |
|----------------|--|
| prEN 1443 | Chimneys - General requirements |
| EN 10088-1 | Stainless steels - Part 1: List of stainless steels |
| EN 45012 | General requirements for bodies operating assessment and certification/registration quality systems (ISO/IEC Guide 62:1996) |
| EN ISO 9002 | Quality systems - Model for quality assurance in production, installation and servicing (ISO 9002:1994) |
| ISO 2859-1 | Sampling procedures for inspection by attributes - Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection |
| ISO/DIS 7500-1 | Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines (Revision of ISO 7500-1:1986) |

3 Flue liners and openings

3.1 Flue liner cross-sections

Flue liners shall be either:-

- a) circular in cross-section with rebated or spigot and socket ends;
- b) square or rectangular in cross-section with rebated ends and rounded internal corners;
- c) circular, square or rectangular in cross-section with butt joints and jointed with a sleeve;
- d) circular or square in cross-section with taper joints.