

Korstnad. Keraamilised lõõrid. Osa 2: Märgades tingimustes kasutatavad lõõrivooderdised. Nõuded ja katsemeetodid

Chimneys - Clay ceramic flue liners - Part 2: Flue liners operating under wet conditions - Requirements and test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 1457-2:2012 sisaldab Euroopa standardi EN 1457-2:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 1457-2:2012 consists of the English text of the European standard EN 1457-2:2012.
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English Version

Chimneys - Clay/ceramic flue liners - Part 2: Flue liners operating under wet conditions - Requirements and test methods

Conduits de fumée - Conduits intérieurs en terre cuite/céramique - Partie 2: Exigences et méthodes d'essai pour utilisation en conditions humides

Abgasanlagen - Keramik-Innenrohre - Teil 2: Innenrohre für den Nassbetrieb - Anforderungen und Prüfungen

This European Standard was approved by CEN on 16 December 2011.

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Contents

Page

Foreword.....	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Flue liners and openings	8
4.1 Flue liner cross-sections	8
4.2 Inspection openings and chimney junctions.....	9
5 Types of flue liner	10
6 Materials	10
7 Tolerances on dimensions	11
7.1 Transverse dimension.....	11
7.2 Height.....	11
7.3 Angle of curvature	11
7.4 Straightness	11
7.5 Squareness of ends.....	11
7.6 Deviation from shape of cross section	11
7.7 Geometry of joints	11
8 Proof load	11
8.1 Straight flue liners	11
8.2 Curved flue liners.....	11
8.3 Minimum load for inspection opening sections	12
9 Gas tightness/leakage, thermal shock resistance and soot fire resistance for straight flue liners	12
9.1 Initial test	12
9.2 Final gas tightness after testing.....	13
9.2.1 General.....	13
9.2.2 Final gas tightness after sootfire testing	13
9.2.3 Final gas tightness after thermal shock testing.....	13
10 Durability	14
10.1 Corrosion resistance	14
10.2 Freeze/Thaw resistance	14
11 Water absorption and bulk density.....	14
11.1 General.....	14
11.2 Water absorption	14
11.3 Bulk density.....	14
12 Abrasion resistance	14
13 Condensate resistance and flow resistance	14
13.1 Condensate resistance	14
13.2 Flow resistance.....	15
14 Thermal resistance	15
15 Evaluation of conformity.....	15
15.1 General.....	15
15.2 Initial type testing	15
15.3 Further type tests.....	15

15.4	Factory production control	16
16	Test methods	16
16.1	Size.....	16
16.2	Height.....	16
16.3	Angle of curvature.....	17
16.4	Straightness	17
16.5	Squareness of ends	17
16.6	Deviation from shape of cross-section.....	18
16.7	Proof load.....	20
16.7.1	Test specimen.....	20
16.7.2	Testing equipment.....	20
16.7.3	Test procedure.....	20
16.8	Thermal testing.....	21
16.8.1	Test flue.....	21
16.8.2	Test equipment.....	21
16.8.3	Assembly of test flue	23
16.8.4	Thermal conditioning	23
16.8.5	Measurement of leakage rate	24
16.8.6	Expression of results	24
16.9	Corrosion resistance.....	24
16.9.1	Test specimens.....	24
16.9.2	Test equipment	25
16.9.3	Test procedure.....	25
16.9.4	Expression of results	26
16.10	Water absorption	26
16.10.1	Test specimen.....	26
16.10.2	Test equipment	26
16.10.3	Test procedure.....	26
16.10.4	Expression of results	26
16.11	Bulk density	26
16.11.1	Test specimen.....	26
16.11.2	Test equipment	27
16.11.3	Test procedure.....	27
16.11.4	Expression of results	27
16.12	Abrasion resistance	27
16.12.1	Test flue.....	27
16.12.2	Test equipment.....	27
16.12.3	Test procedure.....	28
16.12.4	Expression of results	28
16.13	Test method for the determination of water and vapour flow (indirect method).....	29
16.13.1	Test installation	29
16.13.2	Test sample.....	30
16.13.3	Position of measuring points and records	30
16.13.4	Test procedure.....	31
16.13.5	Results.....	32
16.13.6	Measuring equipment — Composition, measuring range, uncertainty.....	32
16.13.7	Test rig.....	33
17	Designation	34
18	Marking.....	35
Annex A	(normative) Sampling procedures for an AQL of 10 % and inspection level S2	36
A.1	Acceptability determination	36
A.2	Normal inspection	36
A.3	Normal to reduced inspection.....	37
A.4	Reduced to normal inspection.....	38
A.5	Tightened inspection	38
A.6	Tightened to normal inspection.....	38
A.7	Discontinuation of inspection.....	39

Annex B (normative) Thermal resistance	40
B.1 Method 1: simplified calculation for flue liners without cavities	40
B.2 Method 2: thermal resistance of flue liners with or without cavities	40
B.3 Method Approximate thermal resistance values	45
Annex C (normative) Measurement of the coefficient of friction of chimneys	47
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU	
Construction Products Directive.....	49
ZA.1 Scope and relevant characteristics	49
ZA.2 Procedure of attestation of conformity of clay/ceramic flue liners and fittings	50
ZA.3 CE Marking and labelling	52
Bibliography	55

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Foreword

This document (EN 1457-2:2012) has been prepared by Technical Committee CEN/TC 166 "Chimneys", the secretariat of which is held by ASI.

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 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1457:1999.

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.

EN 1457 is made of two parts:

- EN 1457-1, *Chimney — Clay/ceramic flue liners — Part 1: Flue liners operating under dry conditions — Requirements and test methods*;
- EN 1457-2, *Chimney — Clay/ceramic flue liners — Part 2: Flue liners operating under wet conditions — Requirements and test methods*.

The main changes with respect to the previous edition are:

EN 1457 has been split in 2 parts: EN 1457-2 is a product standard for clay/ceramic flue liners operating under wet conditions.

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, Croatia, 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 Turkey and the United Kingdom.

1 Scope

This European Standard is a product standard for clay/ceramic flue liners operating under wet conditions with solid walls or walls with vertical perforations for use in the construction of multiwall chimneys and flue pipes which serve to convey products of combustion from fireplaces or heating appliances to the outside 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 European Standard specifies the performance requirements for factory made flue liners and chimney fittings. Testing including thermal testing with or without insulation, marking and inspection are covered by this standard. Flue liners that are specified to this standard will meet the requirements of EN 1457-1 with the same working temperature, pressure, designation and soot fire resistance.

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 312, *Particleboards — Specifications*

EN 1443:2003, *Chimneys — General requirements*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*

EN 13384-1:2002+A2:2008, *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 6946, *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method (ISO 6946)*

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)*

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 document, the terms and definitions given in EN 1443:2003 and the following apply.

3.1

nominal size

numerical designation of size which is a convenient round number equal to or approximately equal to either:

- a) the internal diameter of circular flue liners;
- b) the internal width of square flue liners;
- c) the internal width and breadth of the cross section of rectangular flue liners

NOTE The nominal length is expressed in millimetres.