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NÕUDED JA KATSEMEETODID

Chimneys - Accessories - Part 6: Access components -
Requirements and test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Chimneys - Accessories - Part 6: Access components - Requirements and test methods

Conduits de cheminée - Accessoires - Partie 6 :
Éléments d'accès - Exigences et méthodes d'essai

Abgasanlagen - Zubehörteile - Teil 6: Zugangsbauteile -
Anforderungen und Prüfverfahren

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 16475-6:2020) 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of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by January 2022.

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

This document is a part of the EN 16475 standards series, *Chimneys – Accessories*:

- *Part 1: Chimney silencers - Requirements and test methods* [FprEN 16475-1];
- *Part 2: Chimney fans - Requirements and test methods*;
- *Part 3: Draught regulators, standstill opening devices and combined secondary air devices - Requirements and test methods*;
- *Part 4: Flue dampers - Requirements and test methods* [prEN 16475-4];
- *Part 6: Access components - Requirements and test methods* (this document);
- *Part 7: Rain caps - Requirements and test methods*.

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Introduction

The main purpose of access components is to provide access to the flue of dry, negative pressure chimneys, e.g. to be inspected or cleaned.

1 Scope

This document specifies the requirements and test methods for access components comprising a frame and a door or doors which provide access to the flue of a chimney for the purpose of inspection or cleaning.

Access components for higher nominal working temperature than 450 °C, positive pressure and wet applications are not covered by this standard.

The document is limited to access components with door opening dimensions with a maximum width of 450 mm and a maximum height of 600 mm.

Products not freely ventilated are excluded from this document.

This document also specifies the requirements for marking, manufacturers' instruction, product information and information on the AVCP (Assessment and Verification of Constancy of Performance).

Access components already tested together with system chimney products or other chimney components, e.g. flue liners, are not covered by this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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, *Chimneys - General requirements*

EN 1561, *Founding - Grey cast irons*

EN 1563, *Founding - Spheroidal graphite cast irons*

EN 1856-1, *Chimneys - Requirements for metal chimneys - Part 1: System chimney products*

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

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

EN 10131, *Cold rolled uncoated and zinc or zinc-nickel electrolytically coated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape*

EN 13063-1, *Chimneys - System chimneys with clay/ceramic flue liners - Part 1: Requirements and test methods for sootfire resistance*

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

EN 13501-1, *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

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

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, EN 1856-1 and EN 1857, and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 access component

component comprising a frame and a door or doors installed in the chimney to provide access to the flue for the purpose of inspection or cleaning

3.2 nominal dimension

dimension of the opening of the access component

4 Product characteristics

4.1 General

The access component shall fulfil the following requirements.

4.2 Mechanical resistance and stability

4.2.1 Freedom of movement of the door

When tested according to 5.2.1 the access component shall be able to move freely when opened and closed 100 times before and 10 times after the thermal performance tests, and meet the requirement of 4.4.1.

4.2.2 Impact resistance of the door

When tested according to 5.2.2 the access component shall also be able to be opened and closed freely before and after the thermal tests.

4.2.3 Inner door security

An access component with a separate inner door shall have means for preventing the inner door from falling into the chimney. This criteria is fulfilled if the inner door is secured, e.g. to the access component frame by a steel rope, or a bar.

4.3 Thermal performance

4.3.1 Reaction to fire

The reaction to fire for the access component shall be determined in accordance with EN 13501-1.