



SLOVENSKI STANDARD
kSIST FprEN 1858:2016

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Dimovodne naprave - Sestavni deli - Betonski bloki za dimovodne naprave

Chimneys - Components - Concrete flue blocks

Abgasanlagen - Bauteile - Betonformblöcke

Conduits de fumée - Composants - Conduits de fumée simple et multiparois en béton

Ta slovenski standard je istoveten z: FprEN 1858

ICS:

91.060.40	Dimniki, jaški, kanali	Chimneys, shafts, ducts
91.100.30	Beton in betonski izdelki	Concrete and concrete products

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English Version

Chimneys - Components - Concrete flue blocks

Conduits de fumée - Composants - Conduits de fumée
simple et multiparois en béton

Abgasanlagen - Bauteile - Betonformblöcke

This draft European Standard is submitted to CEN members for second unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 166.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (FprEN 1858:2016) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by ASI.

This document is currently submitted to the second Unique Acceptance Procedure.

This document supersedes EN 1858:2008+A1:2011.

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 Regulation(s).

For the relationship with the EU Regulation(s), see informative Annex ZA, which is an integral part of this document.

The changes include the revision of Annex ZA in conformity with the CPR.

This standard is one of a series of coordinated standards dealing with specification, design, testing and installation of chimneys, both single and multi-wall.

The coordinated 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 installation of concrete chimney products and systems.

The European Standards in this series for concrete chimney products and systems are:

- EN 1857, *Chimneys — Components — Concrete flue liners*;
- EN 1858, *Chimneys — Components — Concrete flue blocks*;
- EN 12446, *Chimneys — Components — Concrete outer wall elements*.

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1 Scope

This European Standard specifies the materials, dimensional and performance requirements for precast concrete flue blocks as defined in Clause 3 for use in chimneys. The flue blocks may be of single wall or multi wall construction. The standard does not apply to flue blocks with back ventilation.

This standard does not cover products designated wet (W) in conjunction with corrosion class 3.

The standard also specifies a type of flue block to dimensionally coordinate with masonry unit coursing height, referred to as a type B flue block.

This standard also applies to storey-height and flue blocks reinforced for handling.

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

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 10088-2, *Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes*

EN 13216-1, *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 heating appliance*

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

EN ISO 7500-1:2015, *Metallic materials - Calibration and verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Calibration and verification of the force-measuring system (ISO 7500-1:2015)*

ISO 2859-1:1999, *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 and the following apply.

3.1

flue block fitting

element fitted to the flue block such as an access opening or offset

3.2

hollow wall flue block

flue block having vertical cavities

Note 1 to entry: Cavities may pass through both ends of the block.