



SLOVENSKI STANDARD
kSIST FprEN 1858:2015
01-junij-2015

Dimniki - Sestavni deli - Betonski bloki za dimnike

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

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Chimneys - Components - Concrete flue blocks

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

Abgasanlagen - Bauteile - Betonformblöcke

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents

Page

Foreword.....	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Materials	8
4.1 General.....	8
4.2 Reaction to fire.....	8
5 Reinforcement for handling.....	9
6 Surface treatment	9
7 Form, dimensions and tolerances	9
7.1 Form	9
7.2 Type B flue blocks	9
7.3 Tolerances	10
7.4 Straightness	11
7.5 Squareness of ends.....	11
8 Performance	11
8.1 Heat stress resistance.....	11
8.2 Heat shock resistance	12
8.3 Thermal resistance	12
8.4 Gas tightness	13
8.5 Abrasion resistance	13
8.6 Compressive strength	13
8.7 Corrosion resistance	13
8.8 Condensate resistance	14
8.9 Bulk density.....	14
8.10 Flexural strength under wind loading	14
8.11 Flow resistance	15
8.11.1 Flow resistance of straight flue blocks	15
8.11.2 Flow resistance of fittings	15
8.12 Freeze-thaw resistance	15
8.13 Resistance to fire external to external.....	15
8.14 Dangerous substances	15
9 Designation	15
9.1 General.....	15
9.2 Temperature class	16
9.3 Pressure class.....	16
9.4 Resistance to fire class	17
9.5 Resistance to condensate class	17
9.6 Corrosion resistance class	17
10 Marking	18
11 Product information.....	18
12 Assessment and verification of constancy of performance - AVCP	18
12.1 General.....	18
12.2 Type testing	19

12.2.1	General	19
12.2.2	Test samples, testing and compliance criteria	19
12.2.3	Test reports	21
12.2.4	Shared other party results	21
12.2.5	Cascading determination of the product type results	21
12.3	Factory production control (FPC)	23
12.3.1	General	23
12.3.2	Requirements	23
12.3.3	Product specific requirements	26
12.3.4	Initial inspection of factory and of FPC	26
12.3.5	Continuous surveillance of FPC	27
12.3.6	Procedure for modifications	27
12.3.7	One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	27
Annex A	(normative) Test methods	29
A.1	Squareness of ends test	29
A.1.1	Apparatus	29
A.1.2	First procedure	30
A.1.3	Test result — first procedure	30
A.1.4	Second procedure	31
A.1.5	Test result — second procedure	31
A.2	Straightness test	31
A.2.1	Apparatus	31
A.2.2	Procedure	31
A.2.3	Test result	31
A.3	Heat stress resistance and heat shock test	31
A.3.1	Apparatus	32
A.3.2	Test assembly	32
A.3.3	Test environment and conditioning	35
A.3.4	Procedure	35
A.3.5	Test results	37
A.4	Thermal resistance	37
A.4.1	Test assembly	37
A.4.2	Test procedure	38
A.4.3	Test results	39
A.5	Gas tightness test	39
A.5.1	Apparatus	39
A.5.2	Test environment and conditioning	39
A.5.3	Procedure	39
A.5.4	Test result	40
A.6	Abrasion resistance test	41
A.6.1	Test assembly	41
A.6.2	Preparation	41
A.6.3	Test brush	41
A.6.4	Test procedure	42
A.6.5	Test result	42
A.7	Compressive strength test	42
A.7.1	Apparatus	42
A.7.2	Preparation of test sample	42
A.7.3	Test procedure	43
A.7.4	Test result	43
A.8	Corrosion and condensate resistance test	43
A.8.1	Test apparatus	43
A.8.2	Acid solution and test solution	46
A.8.3	Test sample	46
A.8.4	Conditioning	46

FprEN 1858:2015 (E)

A.8.5	Test procedure	46
A.8.6	Test results	47
A.9	Flexural strength under wind load	47
A.9.1	Principle	47
A.9.2	Preparation of test specimen	47
A.9.3	Test procedure	47
A.9.4	Test result	48
A.10	Bulk density	48
A.10.1	Apparatus	48
A.10.2	Procedure	48
A.10.3	Test result	48
A.11	Ultimate compressive strength	49
A.11.1	Test procedure	49
A.11.2	Test result	49
Annex B	(informative) Examples of concrete flue block shapes	50
B.1	Straight flue blocks	50
B.1.1	Solid wall flue blocks	50
B.1.2	Hollow wall flue blocks	50
B.1.3	Multi-flued flue blocks	50
B.1.4	Multi-wall blocks	51
B.2	Flue block fittings - Tee/access/connection unit	51
B.3	Examples of Type B flue block shapes	52
Annex C	(normative) Thermal resistance calculation method	54
C.1	Thermal resistance of the individual element	54
C.2	Thermal resistance of the chimney and of enclosures	54
Annex D	(normative) Requirements of sampling plan according to ISO 2859-1:1999 at an Acceptable Quality Level (AQL) of 10 % and inspection level S2	55
D.1	Acceptability determination	55
D.1.1	General	55
D.1.2	Single sampling	55
D.1.3	Double sampling	55
D.2	Normal inspection	55
D.3	Reduced inspection	57
D.4	Reduced to normal inspection	58
D.5	Tightened inspection	58
D.6	Tightened to normal inspection	58
D.7	Discontinuation of inspection	58
Annex E	(informative) Recommended test sequence	59
Annex ZA	(informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	60
Bibliography	69

Foreword

This document (FprEN 1858:2015) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by ASI.

This document is currently submitted to Unique Acceptance Procedure.

This document will supersede 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 Regulations, see informative Annex ZA, which is an integral part of this standard.

This document 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 document is one of a series of specifications and execution documents dealing with design and installation of concrete chimney products and systems.

The 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*.

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

In this document, Annexes A, C and D are normative (not forming part of the product specification) and Annexes B, E and ZA are informative.

Note: Due to fact that the EC has not yet been able to confirm the financial commitment for the New Approach Consultants' work in 2015, there are currently no New Approach Consultants in place for 2015. Therefore the provisions of CEN-CENELEC Guide 15 cannot be met.

This shall not prevent the processing of draft standards nor the offering of harmonized standards to the European Commission. In particular, draft standards can be sent to vote without Consultant assessment.

This note will be removed from the Foreword of the finalized publication.

1 Scope

This document 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 (Bonding block).

This European 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 appliance*

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

EN ISO 7500-1:2004, *Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force-measuring system (ISO 7500-1:2004)*

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