



NSAI
Standards

Irish Standard
I.S. EN 13084-5:2005

Free-standing chimneys - Part 5: Material for brick liners - Product specifications

I.S. EN 13084-5:2005

Incorporating amendments/corrigenda issued since publication:

EN 13084-5:2005/AC:2006

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

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Free-standing chimneys - Part 5: Material for brick liners - Product specifications

**Cheminées autoportantes - Partie 5 :
Matériaux pour conduits intérieurs en terre
cuite - Spécification du produit**

**Freistehende Industrieschornsteine - Teil 5:
Baustoffe für Innenrohre aus Mauerwerk -
Produktfestlegungen**

This corrigendum becomes effective on 24 May 2006 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 24 mai 2006 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 24.Mai 2006 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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English version

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I.S. EN 13084-5:2005

EN 13084-5:2005/AC:2006 (E/F/D)

Foreword

Replace prEN 13084-7 by **EN 13084-7**

Replace ENV 1993-3-2 by **EN 1993-3-2**

Clause 2

Add the referenced document: **EN 998-2, Specification for mortar for masonry — Part 2: Masonry mortar**

4.2.6

Replace En in the 1st line by **EN**

5.2.4

Replace d), e), f) in the 5th paragraph by **a), b), c)** respectively

Table A.2

Replace in relation to batch size in the title by **in relation to batch size for mortars**

Table ZA.1

Replace S in the 1st row of column 4 by **G**

Table ZA.3

Delete: **and resistance to wind load** in the last but one row of column 4

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English Version

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Cheminées autoportantes - Partie 5 : Matériaux pour
conduits intérieurs en terre cuite - Spécification du produit

Freistehende Industrieschornsteine - Teil 5: Baustoffe für
Innenrohre aus Mauerwerk - Produktfestlegungen

This European Standard was approved by CEN on 17 December 2004.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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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Foreword

This document (EN 13084-5:2005) has been prepared by Technical Committee CEN/TC 297 “Free-standing industrial chimneys”, the secretariat of which is held by DIN.

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 December 2005, and conflicting national standards shall be withdrawn at the latest by March 2007.

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.

This European Standard is part 5 of the package of standards listed below:

- EN 13084-1, Free-standing chimneys – Part 1: General requirements;
- EN 13084-2, Free-standing chimneys – Part 2: Concrete chimneys;
- EN 13084-4, Free-standing chimneys – Part 4: Brick liners – Design and execution;
- EN 13084-5, Free-standing chimneys – Part 5: Material for brick liners – Product specifications;
- EN 13084-6, Free-standing chimneys – Part 6: Steel liners – Design and execution;
- prEN 13084-7, Free-standing chimneys – Part 7: Product specifications of cylindrical steel fabrications for use in single wall steel chimneys and steel liners;
- EN 13084-8, Free-standing chimneys – Part 8: Design and execution of mast construction with satellite components.

Additionally applies

- ENV 1993-3-2, Eurocode 3: Design of steel structures – Part 3-2: Towers, masts and chimneys – Chimneys.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies performance requirements and test methods for clay/ceramic bricks and factory made mortars used for the construction of brick liners in free-standing industrial chimneys. The structural design of the brick liners is specified in EN 13084-4.

The marking requirement for bricks and mortar covered by this European Standard is included.

This European Standard provides for the evaluation of conformity of material for brick liners to this EN.

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 197-1, *Cement – Part 1: Composition, specifications and conformity criteria for common cements*

EN 772-7, *Methods of test for masonry units – Part 7: Determination of water absorption of clay masonry damp proof course units by boiling in water*

EN 772-16, *Methods of test for masonry units – Part 16: Determination of dimensions*

EN 772-20, *Methods of test for masonry units – Part 20: Determination of flatness of faces of aggregate concrete, manufactured stone and natural stone masonry units*

EN 993-1, *Methods of test for dense shaped refractory products – Part 1: Determination of bulk density, apparent porosity and true porosity*

EN 993-5, *Methods of test for dense shaped refractory products – Part 5: Determination of cold crushing strength*

EN 993-6, *Methods of test for dense shaped refractory products – Part 6: Determination of modulus of rupture at ambient temperature*

CEN/TS 993-11, *Dense shaped refractory products – Part 11: Determination of resistance to thermal shock*

EN 993-16, *Dense shaped refractory products - Methods of test – Part 16: Determination of resistance to sulphuric acid*

EN 1015-10, *Methods of test for mortar for masonry – Part 10: Determination of dry bulk density of hardened mortar*

EN 1015-11, *Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar*

EN 1052-1, *Methods of test for masonry – Part 1: Determination of compressive strength*

EN 1052-2, *Methods of test for masonry – Part 2: Determination of flexural strength*

EN 1052-3, *Methods of test for masonry – Part 3: Determination of initial shear strength*

EN 1443: 2003, *Chimneys – General requirements*

EN 13084-1:2000, *Free-standing chimneys – Part 1: General requirements*

EN 13084-4:2005, *Free-standing chimneys – Part 4: Brick liners – Design and execution*

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