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I.S. EN 1856-2:2009

Chimneys - Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes

I.S. EN 1856-2:2009

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English Version

Chimneys - Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes

Conduits de fumée - Prescriptions relatives aux conduits de fumée métalliques - Partie 2: Tubages et éléments de raccordement métalliques

Abgasanlagen - Anforderungen an Metall-Abgasanlagen - Teil 2: Innenrohre und Verbindungsstücke aus Metall

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Foreword

This document (EN 1856-2:2009) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by December 2009, and conflicting national standards shall be withdrawn at the latest by March 2011.

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 1856-2:2004.

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 EC Directive 89/106/EEC.

For relationship with EC Directive 89/106/EEC, see informative Annex ZA, which is an integral part of this document.

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, 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 and the United Kingdom.

Introduction

This document has been prepared to be a harmonised standard to provide means of conforming to the essential requirements of the Construction Product Directive and associated EFTA regulations.

The generic word “chimney”, when used in this document, refers to all products used to convey the products of combustion from appliances to the outside atmosphere, and thus includes all other terms of common use in the trade, such as: vents, flues, shafts, exhaust systems, ducts etc.

This document addresses the durability against corrosion by the use of material specifications for the metal flue liners and connecting flue pipes as well as an interim solution for testing products. Three corrosion resistance tests have been adopted from existing corrosion testing being undertaken in various member states (see Annex A of EN 1856-1:2009).

1 Scope

This document specifies the performance requirements for rigid or flexible metal flue liners, rigid metal connecting flue pipes and their fittings used to convey the products of combustion from appliances to the outside atmosphere (including their supports).

Vitreous enamelled connecting flue pipes are also covered by this document.

Rigid flue liners can be used as flue liners for renovation or adaptation of existing chimneys and as flue liners of custom built chimneys.

Flexible metal flue liners described in this document are exclusively for renovation or adaptation of existing chimneys. Flexible connecting flue pipes and extensible flexible products designed to be compressed or extended along their length are excluded from the scope of this document.

This document also specifies the requirements for marking, manufacturer's instructions, product information and evaluation of conformity.

Single wall and multi-wall system chimney products are covered by EN 1856-1.

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 573-3, *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Part 3: Chemical composition and form of products*

EN 1443, *Chimneys — General requirements*

EN 1856-1:2009, *Chimneys — Requirements for metal chimneys — Part 1: System chimney products*

EN 1859:2009, *Chimneys — Metal chimneys — Test methods*

EN 10025-5, *Hot rolled products of structural steels — Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance*

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

EN 10154, *Continuously hot-dip Aluminium-Silicon (AS) coated steel strip and sheet — Technical delivery conditions*

EN 10209, *Cold rolled low carbon steel flat products for vitreous enamelling — Technical delivery conditions*

EN 14241-1, *Chimneys — Elastomeric seals and elastomeric sealants — Material requirements and test methods — Part 1: Seals in flue liners*

EN 15287-1:2007, *Chimneys — Design, installation and commissioning of chimneys — Part 1: Chimneys for non-roomsealed heating appliances*

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