



NSAI
Standards

Irish Standard
I.S. EN 845-2:2003

Specification for ancillary components for masonry - Part 2: Lintels

I.S. EN 845-2:2003

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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I.S. EN 845-2:2003

National Foreword

This Irish Standard is the national version of European Standard EN 845-2 *Specification for ancillary components for masonry – Part 2: Lintels* and includes a national annex that provides additional information and guidance to complement EN 845-2.

The national annex was prepared by Working Group 1 of NSAI Construction Products Standards Committee and subsequently sent for public consultation. The appended National Annex represents the final agreed text following this public consultation.

Requirements for the intended use of lintels are detailed in National Annex NA of I.S. EN 845-2.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with an Irish Standard does not of itself confer immunity from legal obligations.

In line with international standards the decimal point is shown as a comma (,) throughout this document.
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English version

Specification for ancillary components for masonry - Part 2: Lintels

Spécification pour composants accessoires de maçonnerie
- Partie 2: Linteaux

Festlegungen für Ergänzungsbauteile für Mauerwerk - Teil
2: Stürze

This European Standard was approved by CEN on 29 November 2002.

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 Management Centre 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 845-2:2003) has been prepared by Technical Committee CEN/TC125 'Masonry', the Secretariat of which is held by BSI, following initial preparation by Working Group 3.

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 2003, and conflicting national standards shall be withdrawn at the latest by January 2005.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports the essential requirements of the EU Construction Products Directive (89/106/EEC).

For relationship with EU Directives, see informative Annex ZA which is an integral part of this standard.

In this European Standard the Annexes A and B are informative and the Annexes C and D are normative.

This document supersedes EN 845-2:2001.

This Part has been modified, including the introduction of additional requirements, taking into account the detailed answer by CEN/TC 125 to EC mandate M116 for masonry as well as details of the relationship of this new harmonized European Standard with the EU Directives.

EN 845 "Specification for ancillary components for masonry" consists of the following Parts:

— *Part 1: Wall ties, tension straps, hangers and brackets.*

— *Part 2: Lintels.*

— *Part 3: Bed joint reinforcement of steel meshwork.*

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

1 Scope

This European Standard specifies requirements for prefabricated lintels for spans over clear openings in a masonry wall up to a maximum of 4,5 m and made from steel, autoclaved aerated concrete, manufactured stone, concrete, fired clay units, calcium silicate units, natural stone units, or using a combination of these materials.

Prefabricated lintels can be either complete lintels or the prefabricated part of a composite lintel.

This European Standard is not applicable to:

- a) Lintels completely made on site;
- b) Lintels, the tensile parts of which are made on site;
- c) Timber lintels;
- d) Natural stone lintels, not reinforced.

Linear components spanning clear openings greater than 4,5 m in masonry walls and linear components intended for use independently in a structural role (e.g. beams) are not covered by this standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 206-1: 2000, *Concrete — Part 1: Specifications, performance, production and conformity.*

EN 771-1, *Specification for masonry units — Part 1: Clay masonry units.*

EN 771-2, *Specification for masonry units — Part 2: Calcium silicate masonry units.*

prEN 771-3, *Specification for masonry units — Part 3: Aggregate concrete masonry units. (Dense and light-weight aggregates)*

prEN 771-4, *Specification for masonry units — Part 4: Autoclaved aerated concrete masonry units.*

prEN 771-5, *Specification for masonry units — Part 5: Manufactured stone.*

prEN 771-6, *Specification for masonry units — Part 6: Natural stone masonry units.*

EN 772-1, *Methods of test for masonry units — Part 1: Determination of compressive strength.*

EN 772-11, *Methods of test for masonry units — Part 11: Determination of water absorption of aggregate concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units.*

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