



NSAI
Standards

Irish Standard
I.S. EN 16809-2:2017

Thermal insulation products of buildings - In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads - Part 2: Specification for the bonded and loose-fill products after installation

I.S. EN 16809-2:2017

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

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National Foreword

I.S. EN 16809-2:2017 is the adopted Irish version of the European Document EN 16809-2:2017, Thermal insulation products of buildings - In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads - Part 2: Specification for the bonded and loose-fill products after installation

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EUROPEAN STANDARD

EN 16809-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2017

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English Version

Thermal insulation products of buildings - In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads - Part 2: Specification for the bonded and loose-fill products after installation

Produits isolants thermiques destinés aux bâtiments - Produits formés sur place à partir de billes en polystyrène expansé (PSE) en vrac et de billes en polystyrène expansé liées - Partie 2: Spécification pour les produits liés et en vrac après mise en œuvre

Wärmedämmstoffe für Gebäude - An der Verwendungsstelle hergestellte Produkte aus losen expandierten Polystyrolkugeln (EPS) und gebundenen expandierten Polystyrolkugeln - Teil 2: Spezifikation für gebundene und lose Schütt- und Einblasdämmstoffe nach dem Einbau

This European Standard was approved by CEN on 23 October 2016.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16809-2:2017 (E)

European foreword

This document (EN 16809-2:2017) has been prepared by Technical Committee CEN/TC 88 “Thermal insulating products and materials”, 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 July 2017, and conflicting national standards shall be withdrawn at the latest by July 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Thermal insulation products of buildings — In situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads, consists of the following parts:

- Part 1: *Specification for the bonded and loose filled products before installation*
- Part 2: *Specification for the bonded and loose-fill products after installation* (the present document).

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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

1 Scope

This European Standard specifies the requirements for products of loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads installed in masonry cavity walls and frame constructions.

This European Standard is a specification for the installed insulation products.

This European Standard describes, when taken together with EN 16809-1, the product characteristics that are linked to the essential requirements of the Regulation (EU) 305/2011. It also specifies the checks and tests to be used for the declarations made by the installer of the product and the rules for the evaluation of conformity.

This European Standard does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards. For example, see the note in the scope of EN 16809-1 regarding the possibility of special water penetration tests in different Member States.

Products with a declared thermal conductivity at 10 °C greater than 0,060 W/(m·K) are not covered by this standard.

This European Standard does not cover factory made expanded polystyrene products in the form of mats, batts, rolls or boards.

This European Standard does not cover products intended for airborne sound insulation and for acoustic absorption applications.

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 16809-1, *Thermal insulation products for buildings – In-situ formed loose-fill expanded polystyrene (EPS) products – Part 1: Specification for the loose-fill products before installation*

3 Terms, definitions, symbols and abbreviations

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1.1

expanded polystyrene beads

insulation material consisting of beads manufactured from expandable polystyrene or one of its copolymers with an air filled closed cellular structure

3.1.2

installed declared insulation thickness

insulation thickness as installed by the installer

3.1.3

frame construction

walls with wood or metal studs, sloping roof with insulation between rafters

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