



BSI Standards Publication

Thermal insulation products for buildings — In-situ formed expanded clay lightweight aggregate products

Part 2: Specification for the installed
products

National foreword

This British Standard is the UK implementation of EN 14063-2:2013.

The UK participation in its preparation was entrusted to Technical Committee PRI/72, Rigid cellular materials.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

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English Version

**Thermal insulation products for buildings - In-situ formed
expanded clay lightweight aggregate products - Part 2:
Specification for the installed products**

Produits isolants thermiques pour le bâtiment - Produits à
base de granulats légers d'argile expansée formés en place
- Partie 2: Spécifications relatives aux produits installés

Wärmedämmstoffe für Gebäude - An der
Verwendungsstelle hergestellte Wärmedämmung aus
Blähton-Leichtzuschlagsstoffen (LWA) - Teil 2:
Spezifikation für die eingebauten Produkte

This European Standard was approved by CEN on 23 May 2013.

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Foreword

This document (EN 14063-2:2013) has been prepared by Technical Committee CEN/TC 88 "Thermal insulating materials and products", 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of an identical text or by endorsement, at the latest by January 2014, and conflicting national standards shall be withdrawn at the latest by January 2014.

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 European standard consists of two parts. The first part is the harmonised part satisfying the mandate and the CPD. It is the basis for the CE marking covering the products, which are placed on the market. The second part, which is the non-harmonised part, covers the specification for the installed products. Both parts need to be used for the application of the insulation products in the end-use applications covered by EN 14063.

Part 1 of 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 EU Directives. For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of Part 1.

Attention is drawn to the need to take into account any complementary member state rules (e.g. installation rules) which together with this European Standard ensures the fitness for purpose of the installed product.

This European Standard is one of a series for mineral wool, expanded clay, expanded perlite, exfoliated vermiculite, polyurethane/polyisocyanurate, cellulose, bound expanded polystyrene and expanded polystyrene in-situ formed insulation products used in buildings, but this standard can be used in other areas where appropriate.

The reduction in energy used and emissions produced during the installed life of insulation products exceeds by far the energy used and emissions made during the production and disposal processes.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the requirements for loose-fill expanded clay lightweight aggregate (LWA) products installed in roofs, ceilings, floors and ground floors.

This Part 2 is a specification for the installed product.

Part 2 of this European Standard describes, when taken together with Part 1, the product characteristics that are linked to the essential requirements of the EU Construction Products Directive. Part 2 also specifies the checks and tests to be used for the declarations made by the installer of the product.

Part 2 of 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 national regulations or non conflicting standards.

This European Standard does not cover factory made expanded clay lightweight aggregate products or in-situ products intended to be used for the insulation of building equipment and industrial installations.

This European Standard does not specify performance requirements 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 823:2013, *Thermal insulating products for building applications — Determination of thickness*

EN 1097-3, *Tests for mechanical and physical properties of aggregates — Part 3: Determination of loose bulk density and voids*

EN 1097-5, *Tests for mechanical and physical properties of aggregates — Part 5: Determination of the water content by drying in a ventilated oven*

EN 14063-1, *Thermal insulation products for buildings — In-situ formed expanded clay lightweight aggregate products — Part 1: Specification for the loose-fill products before installation*

EN ISO 9229:2007, *Thermal insulation — Vocabulary (ISO 9229:2007)*

3 Terms, definitions, symbols, units and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 9229:2007 and the following apply.

3.1.1

expanded clay lightweight aggregate

insulation material or product composed of lightweight granular material having a cellular structure formed by expanding clay minerals by heat