

**Värmeisoleringsprodukter för byggnader –
In situ-formad exfolierad vermiculit (EV) –
Del 2: Egenskapsredovisning för installerade
produkter**

**Thermal insulation products for buildings –
In-situ thermal insulation formed from exfoliated
vermiculite (EV) products –
Part 2: Specification for the installed products**

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English Version

Thermal insulation products for buildings - In-situ thermal insulation formed from exfoliated vermiculite (EV) products - Part 2: Specification for the installed products

Produits isolants thermiques pour le bâtiment - Isolation thermique formée en place à base de granulats légers de Vermiculite exfoliée (EV) - Partie 2: Spécification des produits mis en place

Wärmedämmstoffe für Gebäude - An der Verwendungsstelle hergestellte Wärmedämmung mit Produkten aus expandiertem Vermiculit (EV) - Teil 2: Spezifikation für die eingebauten Produkte

This European Standard was approved by CEN on 2 December 2006.

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 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 Management Centre has the same status as the official versions.

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EN 14317-2:2007 (E)

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Foreword

This document (EN 14317-2:2007) 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of an identical text or by endorsement, at the latest by July 2007, and conflicting national standards shall be withdrawn at the latest by July 2007.

This draft European Standard consists of two parts. The first part, which is the harmonised part satisfying the mandate, the CPD and is the basis for the CE marking, covers the products, which are placed on the market. The second part, which is the non-harmonised part, covers the specification for the installed products.

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 of this standard.

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 and urea formaldehyde in-situ formed insulation products used in buildings, but this standard can be used in other areas where appropriate.

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 United Kingdom.

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1 Scope

This European Standard specifies the requirements for the four types of exfoliated vermiculite products Vermiculite Aggregate (EVA), Coated Vermiculite (EVC), Hydrophobic Vermiculite (EVH) and Premixed Vermiculite (EVM), containing less than 1 % organic material as defined by Annex D of EN 14317-1:2004 for in-situ insulation of roofs, ceilings, walls and floors.

This Part 2 of the standard is a specification for the installed products.

This Part 2 of this standard also specifies the checks and test procedures to be used for the declaration made by the installer of the product.

This European Standard does not specify the required level of all properties to be achieved by a product to demonstrate fitness for purpose in a particular application. The required levels are to be found in regulations or non-conflicting standards.

This European Standard does not include factory made insulation products of formed shapes and boards made with exfoliated vermiculite 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 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 823:1994, *Thermal insulating products for building applications — Determination of thickness*

EN 14317-1:2004, *Thermal insulation products for buildings — In-situ thermal insulation formed from exfoliated vermiculite (EV) products — Part 1: Specification for bonded and loose-fill products before installation*

prEN ISO 9229:2005, *Thermal insulation — Definitions of terms (ISO/DIS 9229:2005)*

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 prEN ISO 9229:2005 and the following apply.

3.1.1

exfoliated vermiculite

insulation material which results from expanding or exfoliating a natural micaceous mineral by heating

3.1.2

loose fill insulation

in-situ insulation formed by pouring the granular material into the void or cavity, without the use of a bonding material