

Ehituslikud soojusisolatsioonitooted. In situ paisutatud perliidist (EP) toodetest moodustatud soojusisolatsioon. Osa 2: Paigaldatud toodete spetsifikatsioon

Thermal insulation products for buildings - In-situ thermal insulation formed from expanded perlite (EP) products - Part 2: Specification for the installed products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14316-2:2007 sisaldab Euroopa standardi EN 14316-2:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.03.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14316-2:2007 consists of the English text of the European standard EN 14316-2:2007.</p> <p>This document is endorsed on 30.03.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the requirements covering the four product types of expanded perlite products Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % organic material as defined by Annex D of EN 14316-1:2004 for in-situ insulation of roofs, ceilings, walls and floors.</p>	<p>Scope:</p> <p>This European Standard specifies the requirements covering the four product types of expanded perlite products Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % organic material as defined by Annex D of EN 14316-1:2004 for in-situ insulation of roofs, ceilings, walls and floors.</p>
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ICS 91.100.60

Võtmesõnad: rocks, sample surveys, spec, specifications, surveillance (approval), test pieces, test specimens, testing, testing devices, thermal conductivity, thermal insulating materials, thermal insulation, thermal insulations, thermal protection, thermal resistance, walls

ICS 91.100.60

English Version

**Thermal insulating products for buildings - In-situ thermal
insulation formed from expanded perlite (EP) 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
Perlite expansée (EP) - Partie 2: Spécification des produits
mis en place

Wärmedämmstoffe für Gebäude - An der
Verwendungsstelle hergestellte Wärmedämmung mit
Produkten aus Blähperlit (EP) - 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.

CEN members are the national standards bodies of 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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Foreword

This document (EN 14316-2:2007) 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, covers the products which are placed on the market, and 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 the EU Directives.

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

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.

1 Scope

This European Standard specifies the requirements covering the four product types of expanded perlite products Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % organic material as defined by Annex D of EN 14316-1:2004 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 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 expanded perlite 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 14316-1:2004, *Thermal insulation products for buildings — In-situ thermal insulation formed from expanded perlite (EP) 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

expanded perlite

lightweight granular (insulation) material manufactured from naturally occurring volcanic rock expanded by heat to form a cellular structure

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