

Thermal insulation products - Environmental Product Declarations (EPD) - Product Category Rules (PCR) complementary to EN 15804 for factory made and in-situ formed products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 16783:2024 sisaldab Euroopa standardi EN 16783:2024 ingliskeelset teksti. Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.04.2024. Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	This Estonian standard EVS-EN 16783:2024 consists of the English text of the European standard EN 16783:2024. This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is 03.04.2024. The standard is available from the Estonian Centre for Standardisation and Accreditation.
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English Version

**Thermal insulation products - Environmental Product
Declarations (EPD) - Product Category Rules (PCR)
complementary to EN 15804 for factory made and in-situ
formed products**

Produits isolants thermiques - Déclarations
environnementales des produits (DEP) - Règles
régissant les catégories de produits (RCP)
complémentaires de l'EN 15804 pour les produits
manufacturés et formés en place

Wärmedämmstoffe - Umweltproduktdeklarationen
(EPD) - Produktkategorieregeln (PCR) ergänzend zur
EN 15804 für werksmäßig hergestellte und an der
Verwendungsstelle hergestellte Produkte

This European Standard was approved by CEN on 19 February 2024.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 16783:2024) 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 October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

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.

This document supersedes EN 16783:2017.

In comparison with the previous edition EN 16783:2017, the following technical modifications have been made:

- a) modification of the title;
- b) updated in relation to the latest revision of EN 15804:2012+A2:2019¹.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Introduction

This document provides rules for the assessment and quantification of parameters describing the environmental impact of thermal insulation products to prepare environmental product declarations.

It defines complementary product category rules (PCR) for thermal insulation products based on the core rules for all construction products established in EN 15804:2012+A2:2019¹. These rules are intended to be used in conjunction with EN 15804:2012+A2:2019¹.

These PCR apply to all CEN/TC 88 thermal insulation product standards (EN 13162 to EN 13171, EN 14063-1, EN 14064-1, EN 14303 to EN 14309, EN 14313, EN 14314, EN 14315-1 to EN 14320-1, EN 14933, EN 14934, prEN 15100-1, EN 15101-1, EN 15501, EN 15599-1, EN 15600-1, EN 15732, EN 16025-1, EN 16069, prEN 16491, EN 16809-1, EN 16863, EN 16977, EN 17140) in order to minimize intra-sectoral deviations. These PCR are also valid for thermal insulation products outside of CEN/TC 88 and for thermal insulation products involved in other CEN/TCs.

As in EN 15804:2012+A2:2019¹, the results from the assessment are expressed following the modularity principle in a form that allows aggregation (addition) to provide complete information for construction works. These PCR do not deal with aggregation at the construction works level nor does it describe the rules for applying the environmental parameters in a construction works assessment.

The reduction in energy used and the reduction of emissions produced during the installed life of insulation products exceed by far the energy used and in most cases the emissions occurring during the production, installation and disposal processes. 5.4 of this document provides the rules for declaration of any such benefits as additional information.

NOTE The titles of the clauses in this document follow EN 15804:2012+A2:2019¹ to enhance readability.

1 Scope

This document provides the product category rules (PCR) for Type III environmental declarations (as in EN 15804:2012+A2:2019¹) for factory made and *in situ* thermal insulation products.

Complementary to EN 15804:2012+A2:2019¹, the PCR described in this document:

- specify the declared unit to be used;
- define the system boundaries for thermal insulation products;
- specify/describe the default scenarios and rules for defining scenarios for certain life cycle information modules.

These PCR are intended to be used for cradle to gate, cradle to gate with options or cradle to grave assessment, provided the intention is properly stated in the system boundary description.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 13172, *Thermal insulation products — Evaluation of conformity*

EN 15804:2012+A2:2019¹, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

EN 15941, *Sustainability of construction works — Data quality for environmental assessment of products and construction work — Selection and use of data*

EN 15942, *Sustainability of construction works — Environmental product declarations — Communication format business-to-business*

EN 15978, *Sustainability of construction works — Assessment of environmental performance of buildings — Calculation method*

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 9229 and EN 15804:2012+A2:2019¹ apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Abbreviations

For the purpose of this document, the abbreviations given in EN ISO 9229, EN 15804:2012+A2:2019¹ and the abbreviations given in Annex A apply.

¹ As impacted by EN 15804:2012+A2:2019/AC:2021.