

Thermal insulation products - Product category rules (PCR) for factory made and in-situ formed products for preparing environmental product declarations

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Thermal insulation products - Product category rules
(PCR) for factory made and in-situ formed products for
preparing environmental product declarations

Produits isolants thermiques - Règles régissant les
catégories de produits (RCP) pour les produits
manufacturés et formés en place, destinées à la
préparation des déclarations environnementales des
produits

Wärmedämmstoffe - Produktkategorieregeln (PCR) für
werkmäßig hergestellte und an der Verwendungsstelle
hergestellte Wärmedämmstoffe zur Erstellung von
Umweltproduktdeklarationen

This European Standard was approved by CEN on 16 January 2017.

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European foreword

This document (EN 16783:2017) 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of an identical text or by endorsement, at the latest by October 2017, and conflicting national standards shall be withdrawn at the latest by October 2017.

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Introduction

This European Standard 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 for thermal insulation products based on the core rules for all construction products established in EN 15804. These rules are intended to be used in conjunction with EN 15804.

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, EN 14933, EN 14934, prEN 15100-1, EN 15101-1, EN 15501, EN 15599-1, EN 15600-1, EN 15732, EN 16069) in order to minimize intra-sectoral deviations. These PCR are also valid for thermal insulation products outside of CEN/TC88 and for thermal insulation products involved in other CEN TCs.

As in EN 15804, 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. Clause 5.4 of this European Standard provides the rules for declaration of any such benefits as additional information.

NOTE The titles of the clauses in this European Standard follow the EN 15804 to enhance readability.

1 Scope

This European Standard provides the product category rules (PCR) for Type III environmental declarations (as in EN 15804) for factory made and *in situ* thermal insulation products.

Complementary to EN 15804, the PCR described in this European Standard:

- 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, 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 13172, *Thermal insulation products - Evaluation of conformity*

EN 15804:2012+A1:2013, *Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products*

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, EN 15804:2012+A1:2013 and the following apply.

3.1

biogenic carbon

carbon derived from/contained in biomass

3.2

biomass

material of biological origin excluding material embedded in geological formations and material transformed to fossilised material

4 Symbols and abbreviations

For the purpose of this document, the abbreviations given in EN ISO 9229 and EN 15804 and the abbreviations given in Annex A apply.