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**Okna in vrata - Okoljske deklaracije za proizvode - Pravila za kategorije proizvodov za okna in vrata za prehod ljudi**

Windows and doors - Environmental Product Declarations - Product category rules for windows and pedestrian doorsets

Fenster und Türen - Umweltproduktdeklarationen - Produktkategorieregeln für Fenster und Türen

Portes et fenêtres - Déclarations environnementales de produits - Règles de définition des catégories de produits pour les fenêtres et blocs-portes pour piétons

**Ta slovenski standard je istoveten z: prEN 17213**

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**Windows and doors - Environmental Product Declarations  
- Product category rules for windows and pedestrian  
doorsets**

Portes et fenêtres - Déclarations environnementales de  
produits - Règles de définition des catégories de  
produits pour les fenêtres et blocs-portes pour piétons

Fenster und Türen - Umweltproduktdeklarationen -  
Produktkategorieregeln für Fenster und Türen

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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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## prEN 17213:2018 (E)

### European foreword

This document (prEN 17213:2018) has been prepared by Technical Committee CEN/TC 33 “Windows, doors, curtain walling and hardware”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

iTeh STANDARD PREVIEW  
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## Introduction

The European Standard EN 15804 provides core product category rules for all construction products and services. It provides a structure to ensure that all Environmental Product Declarations (EPD) of construction products, construction services and construction processes are derived, verified and presented in a harmonized way.

This European Standard provides complementary product category rules (cPCR) for Type III Environmental Declarations (EPD) specifically for windows and pedestrian doorsets. As such, this standard complements the requirements in EN 15804, it does not replace them.

An EPD communicates verifiable, accurate, non-misleading environmental information for products and their applications, thereby supporting scientifically based, fair choices and stimulating the potential for market-driven continuous environmental improvement.

The standardization process has taken place in accordance with EN ISO 14025. All common issues for windows and pedestrian doorsets are covered horizontally in order to minimize intra-sectorial deviations.

EPD information is expressed in information modules, which allow easy organization and expression of data packages throughout the lifecycle of the product. The approach requires that the underlying data should be consistent, reproducible and comparable.

The EPD is expressed in a form that allows aggregation (addition) to provide complete information for buildings. Neither EN 15804 or this standard deals with aggregation at the building level nor does the standards describe the rules for applying EPD in building assessment.

This standard deals with a limited number of quantifiable predetermined parameters as defined in EN 15804. Future revisions may incorporate additional predetermined parameters.

This European Standard provides the means for developing a Type III environmental declaration for windows and pedestrian doorsets, thereby supplementing the suite of standards that are intended to assess the sustainability of construction works.

This suite of standards includes:

- EN 15804, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*;
- EN 15643-1, *Sustainability of construction works — Sustainability assessment of buildings — Part 1: General framework*;
- EN 15643-2, *Sustainability of construction works — Sustainability assessment of buildings — Part 2: Framework for the assessment of environmental performance*;
- EN 15978, *Sustainability of construction works — Assessment of environmental performance of buildings — Calculation method*;
- CEN/TR 15941, *Sustainability of construction works — Environmental product declarations — Methodology for selection and use of generic data*;
- EN 15942, *Sustainability of construction works — Environmental product declarations — Communication formats: business to business*.

# prEN 17213:2018 (E)

## 1 Scope

This European Standard provides product category rules (PCR) for Type III environmental declarations for windows and pedestrian doorsets as defined in EN 14351-1, prEN 14351-2. Windows and pedestrian doorsets with fire resistance and/or smoke control characteristics according to EN 16034 are also covered by this standard.

NOTE Windows that incorporate shutters and/or shutter boxes and/or blinds are in scope of this PCR. For any connected electrical devices (e.g. motors, sensors) — see 6.3.4.2

This European Standard complements the core rules for the product category of construction products as defined in the European Standard EN 15804. The standard is to be used in conjunction with EN 15804, not replace it.

NOTE The assessment of social and economic performances at product level is not covered by this standard.

The core PCR:

- defines the parameters to be declared and the way in which they are collated and reported,
- describes which stages of a product's life cycle are considered in the EPD and which processes are to be included in the life cycle stages,
- defines rules for the development of scenarios,
- includes the rules for calculating the Life Cycle Inventory and the Life Cycle Impact Assessment underlying the EPD, including the specification of the data quality to be applied,
- includes the rules for reporting the predetermined, environmental and health information that is not covered by Life Cycle Assessment (LCA) for the product, construction process(es) and construction service(s), as relevant,
- defines the conditions under which construction products can be compared based on the information provided by EPD.

For the EPD of construction services the same rules and requirements apply as for the EPD of construction products.

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

CEN/TR 16970:2016, *Sustainability of construction works — Guidance for the implementation of EN 15804*

EN 14351-1, *Windows and doors — Product standard, performance characteristics — Part 1: Windows and external pedestrian doorsets*

prEN 14351-2, *Windows and doors — Product standard, performance characteristics — Part 2: Internal pedestrian doorsets*



EN 16034, *Pedestrian doorsets, industrial, commercial, garage doors and openable windows — Product standard, performance characteristics — Fire resisting and/or smoke control characteristics*

EN 12519, *Windows and pedestrian doors — Terminology*

CEN/TR 15941, *Sustainability of construction works — Environmental product declarations — Methodology for selection and use of generic 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*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804, EN 12519, EN 14351-1, prEN 14351-2, EN 16034 and the following apply.

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

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

#### 3.1 differences in the meaning of terms between EN 12519 and EN 15804

EN 12519	EN 15804
Door assembly, screen	Element
Door set, window	Product
IGU, hardware and other parts	Component

#### 3.2

##### **Insulated glass unit (IGU)**

assembly consisting of at least two panes of glass, separated by one or more spacers, hermetically sealed along the periphery, mechanically stable and durable. Example on configuration: 4-16-4, which is referring to a 4 mm glass layer, 16 mm spacer and 4 mm glass layer

#### 3.3

##### **hardware**

component of the window or door used for the operation of the element, such as hinges, handles, locks, etc

#### 3.4

##### **optional device**

component (e.g. shutters and blinds) integrated in the window or door set during the manufacturing process

## 4 Symbols and abbreviations

For the purposes of this document, the following symbols and abbreviations apply.

EPD	Environmental product declaration
IGU	Insulated glass unit
PCR	Product category rules
LCA	Life cycle assessment
RSL	Reference service life
GWP	Global warming potential
ODP	Ozone depletion potential
AP	Acidification potential
EP	Eutrophication potential
POCP	Photochemical ozone creation potential
ADPe	Abiotic depletion potential (elements)
APDf	Abiotic depletion potential (fossil fuels)
BoM	Bill of Materials
EoL	End of Life

## 5 General aspects

### 5.1 Objective of this PCR

An EPD according to this standard provides quantified environmental information for a window or pedestrian doorset using a uniform and scientific basis. It also provides information on health related emissions to indoor air, soil and water during the use stage of the building. The purpose of an EPD in the construction sector is to provide the basis for assessing building and other construction works, and identifying those which cause less stress to the environment.

Thus, the objective of this complementary PCR is to ensure:

- the provision of verifiable and consistent data for an EPD, based on LCA;
- the provision of verifiable and consistent product related technical data or scenarios for the assessment of the environmental performance of buildings;
- the provision of verifiable and consistent product related technical data or scenarios potentially related to the health of users for the assessment of the performance of buildings;
- that comparisons between door sets and windows are carried out in the context of their application in the building;
- the consistent communication of the environmental information of door sets and windows.

Declarations based on this standard are not comparative assertions.

NOTE See definition 3.4 in EN 15804:2012+A1:2013 and EN ISO 14044:2006, 5.3 for more information concerning LCA used for comparative assertion.

## 5.2 Types of EPD with respect to life cycle stages covered

EN 15804 shall apply.

## 5.3 Comparability of EPD for construction products

EN 15804 shall apply.

## 5.4 Additional information

EN 15804 shall apply.

## 5.5 Ownership, responsibility and liability for the EPD

A manufacturer or a group of manufacturers are the sole owners and have liability and responsibility for an EPD.

It has to be stated which kind of EPD is created, e.g. average EPD (by association), company specific EPD or generic EPD. For information on calculate different types of EPD, see CEN/TR 16970:2016, 6.3.6 and EN 15804:2012+A1:2013, 6.3.6.

When intending to use average EPDs, the manufacturer must be authorized to do so within the document by the organization (program operator) responsible for the original EPD.

## 5.6 Communication formats

EN 15804 shall apply.

# 6 Product Category Rules for LCA

## 6.1 Product category

The product category referred to in this standard includes windows and pedestrian doorsets according to EN 14351-1, prEN 14351-2 and EN 16034. If not further specified, “doorsets” means both internal and external pedestrian doorsets.

## 6.2 Life cycle stages and their information modules to be included

### 6.2.1 General

EN 15804 shall apply.

### 6.2.2 A1–A3, Product stage, information modules

EN 15804 shall apply.

### 6.2.3 A4–A5, Construction process stage, information modules

EN 15804 shall apply.

### 6.2.4 B1–B5, Use stage, information modules related to the building fabric

EN 15804 shall apply.

### 6.2.5 B6–B7, Use stage, information modules related to the operation of the building

EN 15804 shall apply.

### 6.2.6 C1–C4, End-of-life stage, information modules

EN 15804 shall apply.