



SLOVENSKI STANDARD

oSIST prEN 17672:2021

01-september-2021

Trajnostnost gradbenih objektov - Okoljske deklaracije za proizvode - Horizontalna pravila za komunikacijo med podjetji in potrošniki

Sustainability of construction works - Environmental product declarations - Horizontal rules for business-to-consumer communication

Nachhaltigkeit von Bauwerken - Umweltproduktdeklarationen - Horizontale Regeln für die Kommunikation von Unternehmen an Verbrauchern

Contribution des ouvrages de construction au développement durable - Déclarations environnementales sur les produits - Règles horizontales régissant la communication de l'entreprise au consommateur

<https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

Ta slovenski standard je istoveten z: prEN 17672

ICS:

13.020.20	Okoljska ekonomija. Trajnostnost	Environmental economics. Sustainability
91.040.01	Stavbe na splošno	Buildings in general

oSIST prEN 17672:2021

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN 17672:2021](https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021)

<https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 17672

June 2021

ICS 91.010.99; 91.040.01

English Version

Sustainability of construction works - Environmental product declarations - Horizontal rules for business-to-consumer communication

Nachhaltigkeit von Bauwerken -
Umweltproduktdeklarationen - Horizontale Regeln für
die Kommunikation von Unternehmen an
Verbrauchern

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 350.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

CEN members are the national standards bodies of 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, Turkey and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Contents	Page
European foreword	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Symbols and abbreviations	9
5 General principles	9
5.1 Approach.....	9
5.2 Information gaps.....	9
5.2.1 Missing indicators.....	9
5.2.2 Information not applicable to the building context	9
5.3 Comparability.....	10
5.4 Types of B2C communication and requirements.....	10
5.5 Benchmarking options.....	11
6 Definition of the product group.....	12
6.1 Product group definition and declaration.....	12
6.2 Name and code.....	12
6.3 Description of the product group.....	12
6.4 Functional unit.....	12
6.5 Technical performance.....	13
6.6 Exclusions	13
7 Definition of the functional equivalence	13
8 Life cycle stages to be included	14
9 Assessment of the representativeness of the scenarios	14
10 Calculation of the environmental impact per functional unit	14
11 Selection of indicators.....	15
12 Normalization	16
12.1 General.....	16
12.2 Benchmarking systems.....	16
12.3 B2C communication without comparative assertion	16
13 Weighting.....	16
13.1 General.....	16
13.2 Recommended approach to benchmarking.....	16
13.3 Basic and alternative approach to benchmarking.....	16
13.4 B2C communication without comparative assertion	17
14 Score	17
15 Benchmark	17
16 Performance classes	19
16.1 General.....	19

16.2	Relative difference compared to the benchmark	20
16.3	Statistical information	20
16.4	Worst and/or best practices.....	21
17	Communication	22
18	Transparency.....	24
19	Benchmarking system administrator	24
	Annex A (informative) Example of definition of product groups (SFB system).....	25
	Bibliography	27

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN 17672:2021](https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021)

<https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

prEN 17672:2021 (E)

European foreword

This document (prEN 17672:2021) has been prepared by Technical Committee CEN/TC 350 “Sustainability of construction works”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

This document supports the use of Product Category Rules (EN 15804) for construction products. Together they are used as the means for arriving Environmental Product Declarations (EPD).

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN 17672:2021](https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021)

<https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

Introduction

This document provides horizontal rules for business-to-consumer communication including benchmarking systems using environmental product declarations (EPD's) according to EN 15804 to provide easy to understand information to consumers to make informed comparisons on the environmental impacts of construction products or elements.

Aggregation of results: In addition to the detailed communication rules in EN 15804 and EN 15942 allow the option of aggregating results from modules A1-C4 into a total sum of impacts or respective LCA indicators for communication of cradle to grave EPD for Business to Consumer purposes.

Benchmarks: Develop the rules for benchmarking and rules for the definition of representative products based on default scenarios to be used in defining the respective Functional Unit and taking into account findings from the PEF pilot phase. Provide guidance to allow product TCs to develop their own representative product(s) and classes for indicator results for B2C communication, where relevant.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN 17672:2021](https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021)

<https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

prEN 17672:2021 (E)**1 Scope**

This document provides horizontal rules for business-to-consumer communication including benchmarking systems that aim to inform consumers about the environmental performance of construction products, assembled systems and construction elements.

This document is aimed at organizations providing business-to-consumer communication and benchmarking systems and provides guidance on how to develop business-to-consumer communication and common rules for benchmarking methodologies using EPD according to EN 15804 and following the EN 15942 communication format.

Business-to-consumer communication and benchmarking methodology described in this document is based on a functional unit and cradle-to-grave assessments.

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+A2:2019, *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 14025, *Environmental labels and declarations — Type III environmental declarations — Principles and procedures (ISO 14025)*

EN ISO 14026, *Environmental labels and declarations — Principles, requirements and guidelines for communication of footprint information (ISO 14026)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804 and EN 15978 and the following apply.

3.1**assembled system**

component or a set of components incorporated in the construction works

[SOURCE: FprEN 15643:2021]

3.2**benchmark**

reference point against which comparisons can be made

[SOURCE: ISO 21678:2020]

3.3

benchmarking

process of collecting, analyzing and relating performance data of comparable construction products, assembled systems and construction elements

Note 1 to entry: Benchmarking is typically used for evaluating and comparing performance between or within objects of consideration.

[SOURCE: ISO 21678:2020]

3.4

benchmarking system

established classification system based on clearly defined goals, processes and procedures

3.5

business-to-business communication

describing or involving the passage of information between different businesses, rather than between businesses and the general public and consumers

[SOURCE: EN 15942:2011]

3.6

business-to-consumer communication

describing or involving the passage of information between businesses and the general public and consumer

3.7

business-to-consumer communication without comparative assertion

business-to-consumer communication delivering information that cannot be used for comparison purposes because does not fit the minimum requirements for it

3.8

comparative assertion

environmental claim regarding the superiority or equivalence of one product vs. a competing product

[SOURCE: EN ISO 14025:2006]

3.9

construction element

major functional part of a building or construction works

EXAMPLE: Foundations, floor, roof, wall, services.

3.10

consumer

individual member of the general public purchasing or using goods, property or services for private purposes

[SOURCE: EN ISO 14025:2006]

prEN 17672:2021 (E)**3.11****c-PCR**

product group specific or horizontal PCR, which provide additional compliant and non-contradictory requirements to EN 15804

Note 1 to entry: c-PCR are meant to be used together with EN 15804.

[SOURCE: EN 15804:2012+A2:2019]

3.12**functional equivalent**

quantified functional requirements-and/or technical requirements for a building or an assembled system (part of works) for use as a reference unit

Note 1 to entry: Adapted from the definition in ISO 21931-1:2010.

[SOURCE: EN 15978]

3.13**modules A1 to C4 score**

score comprising the aggregation of values for modules A1 to C4

3.14**module D score**

score comprising the aggregation of values for module D

3.15**normalization**

calculating the magnitude of category indicator results relative to reference information

[SOURCE: EN ISO 14044]

3.16**performance**

ability to fulfil required functions under intended use conditions

[SOURCE: ISO 6701]

3.17**product group**

every collection of construction products, assembled systems or construction elements created for its classification

3.18**score**

aggregation of the normalised and weighted values of the relevant LCIA indicators

3.19**weighting**

converting and possibly aggregating indicator results across impact categories using numerical factors based on value-choices

[SOURCE: EN ISO 14044:2006, 4.4.3.1, bullet c)]

4 Symbols and abbreviations

The following abbreviations are used in the document:

B2B	Business-to-business
B2C	Business-to-consumer
c-PCR	Complementary product category rules
EPD	Environmental Product Declaration
LCA	Life Cycle Assessment
LCIA	Life Cycle Impact Assessment
PEF	Product Environmental Footprint

5 General principles

5.1 Approach

Construction products assembled systems and construction elements can be compared according to the contribution they make to the environmental performance of the building as long as they are functionally equivalent and according to the principles described in Clause 5.3 of EN 15804.

B2C communication and benchmarking methodology shall be derived from the calculation and results developed for the EPD according to EN 15804 and presented in the B2B communication according to EN 15942.

(standards.iteh.ai)

5.2 Information gaps

[oSIST prEN 17672:2021](https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021)

5.2.1 General <https://standards.iteh.ai/catalog/standards/sist/85e6a506-44c5-4277-9ef8-72c2a86c9a96/osist-pren-17672-2021>

The following Information gaps can occur.

5.2.2 Missing indicators

When the benchmarking approach requires the results of indicators not available in the EPD, this product cannot be included in the benchmarking system.

5.2.3 Information not applicable to the building context

When information available in the scenarios used in the EPD is missing or is not applicable to the building context under assessment (any modules except for modules A1-A3), calculation of the indicators for the alternative scenarios is allowed based on scenarios and conditions that are appropriate for the building as the object of assessment.