



SLOVENSKI STANDARD
SIST EN 15804:2012+A1:2013/oprA2:2018
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Trajnostnost gradbenih objektov - Okoljske deklaracije za proizvode - Skupna pravila za kategorije proizvodov za gradbene proizvode

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

Nachhaltigkeit von Bauwerken - Umweltproduktdeklarationen - Grundregeln für die Produktkategorie Bauprodukte

Contribution des ouvrages de construction au développement durable - Déclarations environnementales sur les produits - Règles régissant les catégories de produits de construction

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Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

Contribution des ouvrages de construction au
développement durable - Déclarations
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les catégories de produits de construction

Nachhaltigkeit von Bauwerken -
Umweltproduktdeklarationen - Grundregeln für die
Produktkategorie Bauprodukte

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

This draft amendment A2, if approved, will modify the European Standard EN 15804:2012+A1:2013. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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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.

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

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EN 15804:2012+A1:2013/prA2:2018 (E)

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European foreword

This document (EN 15804:2012+A1:2013/prA2:2018) 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.

1 Modification throughout the entire document

Adjust the numbering of the clauses and tables as well as the corresponding references throughout the entire document according to the changes in the document as listed below.

2 Modification to the Introduction

Replace “information for buildings” with “information for buildings and other construction works” in the 5th paragraph.

Replace the 6th paragraph with the following one:

“The standard deals with a set of quantifiable, predetermined environmental impact indicators, which are aligned with the Product Environmental Footprint Category Rules (PEFCR) for the construction sector and based on the amendment of the standardisation Mandate M/350.”.

Delete “This suite of standards includes”: in the 8th paragraph.

3 Modification to Clause 1 “Scope”

Replace the 1st bullet with the following one:

“

- defines the indicators to be declared, information to be provided and the way in which they are collated and reported,

”.

4 Modification to Clause 2 “Normative references”

Add the following reference to the list:

“ISO/DIS 14067, *Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification*”.

Replace the reference to ISO 21930 as follows:

“ISO 21930:2017, *Sustainability in building construction — Environmental declaration of building products*”.

5 Modification to Clause 3 “Terms and definitions”

Replace the definition of “average data” with the following one:

”

3.3

average data

data representative of a product, product group or construction service, provided by one or more supplier

Note 1 to entry: The product group or construction service can contain similar products or construction services.

“.

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Add the following new definition and adjust the numbering throughout the clause accordingly:

”

3.21**complementary product category rules****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 ISO 14040:2006]

“.

Add the following two notes to entry to the definition of “renewable resource”:

“

Note 2 to entry: Activities that occur in the technosphere such as recycling are not considered natural replenishment or cleansing.

Note 3 to entry: In this context, human time scale refers to the typical life time of a human rather than the time humans have been in existence.

”.

Replace the definition of “type III environmental declaration” with the following one:

”

3.33**type III environmental declaration**

environmental declaration providing quantified environmental data using predetermined indicators and, where relevant, additional environmental information

Note 1 to entry: The calculation of predetermined indicators is based on the ISO 14040 series of standards, which is made up of ISO 14040, and ISO 14044.

Note 2 to entry: Adapted from ISO 14025:2006.

“.

6 Modification to Clause 4 “Abbreviations”

Add the following new abbreviations:

“c-PCR Complementary product category rules”,

“PEF Product Environmental Footprint”.

Delete “EPBD Energy performance of buildings directive”.

7 Modification to 5.2 “Types of EPD with respect to life cycle stages covered”

Replace the whole content of 5.2 “Types of EPD with respect to life cycle stages covered” with the following:

“All construction products and materials shall declare modules A1-A3, modules C1-C4 and module D with the following exception.

Products and materials that:

- are physically integrated with other products during installation so they cannot be physically separated from them at end of life, and
- are no longer identifiable at end of life as a result of a physical or chemical transformation process.

If modules C1 to C4 and module D are not declared this decision shall be justified.

Construction products and materials that are identified as exceptions may omit the declaration of modules C1-C4 and module D. Any omission of modules C1-C4 and module D shall be justified.

Types of EPD that may be provided are (see Figure 1):

- Cradle to gate with modules C1-C4 and module D: (A1-A3, C and D). These stages are the minimum to be declared by for products as defined above and shall be based on a functional unit or declared unit.
- Cradle to gate with options, modules C1-C4, and module D: (A1-A3, C, D and additional modules. The additional modules may be A4 and/or A5 and/or B1-B7). This type of EPD is only possible for products as defined above and shall be based on a functional unit or declared unit.
- Cradle to Grave with module D: (A, B, C and D). This declaration is only possible for products as defined above and shall be based on a functional unit or declared unit.
- Cradle to gate: (A1-A3): These stages are the minimum to be declared for all construction products that are exceptions as defined above and shall be based on a declared unit. Such an EPD covers raw material supply, transport, manufacturing and associated processes, i.e. the product stage.
- Cradle to gate with options (A1-A3 and additional modules. The additional modules may be A4 and A5): This type of EPD is only possible for construction products that are exceptions as defined above and shall be based on a declared unit. These types of product cannot declare modules B1-B7.

NOTE 1 Information modules can supply information for processes for which there is no EPD available, e.g. a cleaning process.

NOTE 2 An information module may contain: the values of the pre-determined indicators and the technical information underlying their quantification, relevant technical information for further calculation of the environmental performance, scenarios for further calculation of the environmental performance.

NOTE 3 It is possible to have an EPD for a substance or preparation (e.g. cement), for a product (e.g. window), for a construction service (e.g. cleaning service as part of maintenance) and for an assemblage of products and/or a construction element (e.g. wall) or technical equipment (e.g. lift).

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BUILDING ASSESSMENT INFORMATION														
BUILDING LIFE CYCLE INFORMATION												SUPPLEMENTARY INFORMATION BEYOND BUILDING LIFE CYCLE		
A1 - A3 PRODUCT STAGE			A4 - A5 CONSTRUCTION PROCESS STAGE		B1 - B7 USE STAGE					C1 - C4 END OF LIFE STAGE				D BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARY
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	D
Raw material supply	Transport	Manufacturing	Transport	Construction - Installation process	Use	Maintenance	Repair	Replacement ^a	Refurbishment	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse, recovery, recycling, potential
scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario	scenario
Mand.										Mand. ^b	Mand. ^b	Mand. ^b	Mand. ^b	Mandatory ^b
Mand.			Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Opt.	Mand.	Mand.	Mand.	Mand.	Mandatory
Mand.			Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mand.	Mandatory

Figure 1 — Types of EPD with respect to life cycle stages covered and life cycle stages and modules for the building assessment

“.

EN 15804+A1:2013/prA2:2018 (E)**8 Modification to 5.3 “Comparability of EPD for construction products”**

Add a bullet (5th) and replace the last bullet (6th) as follows:

“

- the influence of the product systems on the operational aspects and impacts of the building are taken into account;
- the elementary flows related to material inherent properties, such as biogenic carbon content, the potential to carbonate or the net calorific value of a material, are considered completely and consistently and the influence of the product systems on the operational aspects and impacts of the building are taken into account.

”.

9 Modification to 5.4 “Additional environmental information”

Replace the whole content of 5.4 “Additional information” with the following:

“

5.4 Additional environmental information**5.4.1 General**

Any additional environmental information provided shall meet the requirements in EN ISO 14025:2010, 7.2.4, 7.2.5, 7.2.6 and 7.2.7.

In this core PCR the following categories of additional information are addressed:

5.4.2 Additional impact indicators

This core PCR includes additional environmental impact indicators. In order to acquire experience about the calculation rules of such indicators a defined set of these LCA based additional environmental impact indicators (see 7.2.3.2) shall be documented and explained in the project report. They may be declared in the EPD and if declared they shall be declared as additional environmental impact indicators including disclaimers (see 7.2.3.3). If any of these indicators are not declared in the EPD, a justification shall be given in the EPD.

A complementary PCR (c-PCR) can define whether any additional environmental impact indicators shall be declared in the EPD.

5.4.3 Additional information on carbon offset, carbon storage and delayed emissions

Carbon offset processes are not part of the product system under study. Carbon offset shall not be included in the calculation of the GWP. Carbon offset information may be declared as additional information. Such information shall be declared together with a description of calculation methodology and sources.

NOTE A carbon offset is a reduction in emissions of carbon dioxide or other greenhouse gases made in order to compensate for an emission elsewhere.

The effect of temporary carbon storage and delayed emissions, i.e. the discounting of emissions and removals over a defined timeframe of up to 100 years, shall not be included in the calculation of the GWP. The effect of permanent biogenic carbon storage shall also not be included in the calculation of the GWP. However, the effect of carbon storage and delayed emissions may be declared as additional information for GWP. Such information shall be declared together with a description of calculation methodology and sources.