SLOVENSKI STANDARD
SIST EN 16485:2026

01-junij-2026

Okrogli in žagani les - Okoljske deklaracije za proizvode - Pravila za kategorije proizvodov za les in lesne kompozite za uporabo v gradbeništvu

Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction

Rund- und Schnittholz - Umweltproduktdeklarationen - Produktkategorieregeln für Holz und Holzwerkstoffe im Bauwesen

Bois ronds et sciages - Déclarations environnementales de produits - Règles de définition des catégories de produits en bois et à base de bois pour l'utilisation en construction

Ta slovenski standard je istoveten z: **EN 16485:2026**

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91.080.20	Lesene konstrukcije	Timber structures

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Round and sawn timber - Environmental product declarations - Product category rules for wood and wood-based products for use in construction

Bois ronds et sciages - Déclarations environnementales de produits - Règles de définition des catégories de produits en bois et à base de bois pour l'utilisation en construction

Rund- und Schnittholz - Umweltproduktdeklarationen - Produktkategorieregeln für Holz und Holzwerkstoffe im Bauwesen

This European Standard was approved by CEN on 23 February 2026.

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European foreword

This document (EN 16485:2026) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by October 2026, and conflicting national standards shall be withdrawn at the latest by October 2026.

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 16485:2014.

EN 16485:2026 includes the following significant technical changes with respect to EN 16485:2014:

— new figures and examples for the systems boundaries in the calculation rules for the LCA (6.3.5);

— proposal for co-product allocation (6.4.3.2);

— addition of new chapter Additional environmental information (7.6);

— addition of five informative annexes and two normative annexes.

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

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 document provides rules for environmental product declarations (EPD) specifically for wood and wood-based products. It complements the core product category rules for all construction products and services as established in EN 15804.

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 are covered horizontally for all product types in order to minimize vertical (branch specific) deviations. All common issues are covered horizontally for all wood and wood-based products in order to minimize intra-sectoral deviations.

EPD information is expressed in information modules as defined in EN 15804, which allow easy organization and expression of data packages throughout the life cycle of wood and wood-based products. The approach requires that the underlying data are consistent, reproducible and comparable.

In line with EN 15804, the EPD is expressed in a form that allows aggregation (addition) to provide complete information for buildings and other construction works. This document does not deal with aggregation at the building level, nor does it describe the rules for applying EPD in a building assessment.

This document provides the means for developing a Type III environmental declaration of wood and wood-based construction products in the context of the suite of standards that are intended to assess the sustainability of construction works.

This suite of standards includes:

— EN 15643, *Sustainability of construction works - Framework for assessment of buildings and civil engineering works "*

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

— EN 15804:2012+A2:2019, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

— EN 15941:2024, *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*

1 Scope

This document provides general product category rules (PCR) for Type III environmental declarations for wood and wood-based products, including wood-based panels, for use in construction and related construction and in-service processes.

This document complements the core rules for the product category of construction products as defined in EN 15804 and is intended to be used in conjunction with EN 15804.

This document does not cover the assessment of social and economic performances at product level.

The core PCR:

— define the parameters to be declared and the way in which they are collated and reported;

— describe 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;

— define rules for the development of scenarios;

— include 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;

— include the rules for reporting predetermined, environmental and health information, that is not covered by LCA for a product, construction process and construction service where necessary;

— define 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.

Additionally, to the common parts of EN 15804, this document for wood and wood-based products:

— defines the system boundaries;

— defines the rules for modelling and assessment of material-specific characteristics such as carbon content and net calorific value of wood;

— defines allocation procedures for multi-output processes along the wood chain;

— defines allocation procedures for reuse, recycling and energy recovery;

— includes the rules for calculating the life cycle inventory and the life cycle impact assessment underlying the EPD, including the assessment of carbon and net calorific value of wood;

— provides guidance/specific rules for the determination of the reference service life (RSL).

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 ISO 14044:2006[1], *Environmental management — Life cycle assessment — Requirements and guidelines (ISO 14044:2006)*

EN 15804:2012+A2:2019, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

ISO 14067:2018, *Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15804:2012+A2:2019 and the following 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

3.1
co-product
any of two or more marketable materials, products, or fuels from the same unit process, but which is not the object of the assessment

Note 1 to entry: Co-product, by-product and product have the same status and are used for identification of several distinguished flows of products from the same unit process. From co-product, by-product and product, waste is the only output to be distinguished as a non-product.

[SOURCE: EN 15804:2012+A2:2019, 3.8]

3.2
biogenic carbon
carbon derived from/contained in biomass

3.3
biomass
material of biological origin excluding material embedded in geological formations and material transformed to fossilised material

3.4
biogenic carbon balance
balance of biogenic carbon of a defined carbon pool, made up of net uptake/carbon inflow and release of carbon/carbon outflow

Note 1 to entry: In the case of wood products, the biogenic carbon being transferred from forest biomass onto the product system and released during natural decay or incineration.

[1] As impacted by EN ISO 14044:2006/A2:2020.

3.5
direct land use change
change in human use or management of land at the location of the production, use or disposal of raw materials, intermediate products and final products or wastes in the product system being assessed

[SOURCE: ISO 14050:2020, 3.8.19]

3.6
carbon pool
reservoir, a component or components of the climate system where a greenhouse gas or a precursor of a greenhouse gas is stored, examples of carbon pools are forest biomass, wood products, soils and the atmosphere, the units are mass

Note 1 to entry: The forest carbon reservoir is subdivided into the five pools: above-ground biomass, below-ground biomass, litter, dead wood and soil organic carbon.

[SOURCE: IPCC 2006, Table 1.1]

3.7
fossil carbon
carbon which is contained in fossilised material

Note 1 to entry: Examples of fossilised material are coal, oil and natural gas.

3.8
recovered wood
all kind of wood material which, at the end of its life cycle in wooden products, is made available for re-use, recycling or energy recovery

4 Abbreviations

EPD	environmental product declaration
PCR	product category rules
LCA	life cycle assessment
LCI	life cycle inventory analysis
LCIA	life cycle impact assessment
RSL	reference service life
GWP	global warming potential
GHG	greenhouse gas
CHP	combined heat and power

5 General aspects

5.1 Objective of this general PCR for wood and wood-based construction products

An EPD according to this document provides quantified environmental information for wood and wood-based construction product or related service on a harmonized 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 buildings and other construction works and identifying those which cause less stress to the environment.

Thus, the objective of this general PCR for wood and wood-based products 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 construction products are carried out in the context of their application in the building, as explained in EN 15804:2012+A2:2019 Clause 5.3;

— the communication of the environmental information of construction products from business to business;

— the basis, subject to additional requirements, for the communication of the environmental information of construction products to consumers.

Declarations based on this document are not comparative assertions.

NOTE See definition 3.4 of EN 15804:2012+A2:2019 and EN ISO 14044:2006[1], 5.1 for more information concerning LCA used for comparative assertion.

5.2 Types of EPD with respect to life cycle stages covered

EN 15804:2012+A2:2019 shall apply.

5.3 Comparability of EPD for construction products

EN 15804:2012+A2:2019 shall apply.

5.4 Additional environmental information

EN 15804:2012+A2:2019 shall apply.

5.5 Ownership, responsibility and liability for the EPD

EN 15804:2012+A2:2019 shall apply.

5.6 Communication formats

EN 15804:2012+A2:2019 shall apply.

6 Product category rules for LCA

6.1 Product category

The product category referred to in this document includes all wood and wood-based construction products as well as related construction services for buildings and other construction works.

6.2 Life cycle stages and their information modules to be included

6.2.1 General

EN 15804:2012+A2:2019 shall apply.

6.2.2 A1-A3, Product stage, information modules

EN 15804:2012+A2:2019 shall apply.

6.2.3 A4-A5, Construction process stage, information modules

EN 15804:2012+A2:2019 shall apply.

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

EN 15804:2012+A2:2019 shall apply.

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

EN 15804:2012+A2:2019 shall apply.

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

EN 15804:2012+A2:2019 shall apply.

6.2.7 D, Benefits and loads beyond the system boundary, information module

EN 15804:2012+A2:2019 shall apply.

6.3 Calculation rules for the LCA

6.3.1 Functional or declared unit

EN 15804:2012+A2:2019 shall apply.

6.3.2 Functional unit

6.3.2.1 General

EN 15804:2012+A2:2019 shall apply with the following addition:

— When communicating the functional unit of an EPD, the apparent density and moisture content of wood and wood-based products shall be provided as complementary information.

— Values for apparent density and moisture content can be taken from product or application standards and should reflect the respective values underlying the LCA calculations.

6.3.2.2 Performance in a functional unit

EN 15804:2012+A2:2019 shall apply.

6.3.3 Declared unit

EN 15804:2012+A2:2019 should apply with the following addition:

The declared unit is used instead of the functional unit when the precise function of the product or scenarios at the building level is not stated or is unknown. The declared unit provides a reference by means of which the material flows of the information module of a construction product are normalized (in a mathematical sense) to produce data, expressed on a common basis. It provides the reference for combining material flows attributed to the construction product and for combining environmental impacts for the selected stages of the construction product's incomplete life cycle (see 6.5). The declared unit shall relate to the typical applications of products.

The declared unit in the EPD shall be one of the unit types listed below. A different unit may be declared for reasons that shall be explained and in such cases information shall be provided on how to convert this unit to one or more of the required unit types: