

Global GreenTag^{Cert™}

INTERNATIONAL EPD PROGRAM

Sub-PCR Wood Cladding for Buildings 10 2024 WNB V2

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ENVIRONMENTAL PRODUCT DECLARATION (EPD) PROGRAM

Type III EPDs

Compliant to

**EN 15804:2012 +A2:2019,
ISO 14025 and
ISO 21930
Standards**

For construction products

Sub-Product Category Rules (PCR) based on Life Cycle Analysis

Wood Cladding for Buildings Sub-PCR 10 2024 WNB V2

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Product Category Rules Stakeholder Comments

Commentary End Date: Monday 4th November 2024 (30 days)

The GreenTag^{Cert™} International Environmental Product Declarations (EPD) program operator welcomes all stakeholder comments on this Product Category Rule (PCR) document.

PCRs are to present comparable declarations that best serve and communicate construction product key environmental life cycle issues to all key stakeholders and industries around the world.

These PCRs for international markets throughout Europe, North America, Australasia and Africa are available for a public stakeholder comment for a period of 30 days.

PCR instructions are to ensure use of consistent, comparable and complete methods, parameters and calculations in Life Cycle Inventory, Life Cycle Impact Assessment (LCIA) and Life Cycle Benefit (LCBA) in Life Cycle Assessment (LCA) for EPDs.

In addition they provide rules for content format and additional product environmental information including and Life Cycle Benefit Assessment (LCBA) results essential for Nature Positive ecolabelling.

This sub-PCR was developed for Type III Environmental Product Declarations (EPD), according to ISO 14025, EN 15804+A2 and ISO 21930.

Specific comments should be emailed to certification9@globalgreentag.com before Monday 4th November 2024 (30 days) along with the following information:

Stakeholder's Name:

Organisation:

Position:

Email:

Phone:

General Comments:

I. Application

CEN Standard EN 15804:2012+A2:2019 Sustainability of construction works: Environmental product declarations: Core rules for the product category of construction products.

While they serve as core Product Category Rules (PCR)s pertaining to all product categories this sub-PCR relates to a particular product category. The former is called the PCR master document and the latter is called the sub-PCR.

When new product assessments are needed, a sub-PCR is developed and new rules defined for that category. As environmental health legislation is enacted, rules in the master document shall be revised with file name and revisions clearly marked so all such PCRs are identifiable for those points in time.

II. Authors

These product category rules, compiled by Delwyn Jones, Director Sustainability, The Evah Institute a Division of Ecquate Pty Ltd were customised for this product class by Yasmin Kelly, Product Assessor, Global GreenTag International.

The rules were then approved for Global GreenTag adoption by Nana Bortsie-Aryee, Program Director, Global GreenTag International Pty Ltd.

III. Terms of Validity

- Product Category Rules Wood Cladding for Buildings sub-PCR WNB 10 2024 V2
- PCR issue date 4/10/2024 and
- Period of validity to 4/10/2029

IV. Goal

The goal of this sub-PCR is to guide EPD development to meet specific functionality outcomes for users including specifiers, manufacturers and stakeholders.

It is valid according to standards and technical approvals for all such defined products and related components herein.

V. Product Set Definition

The declared product set includes habitat cladding for exterior and interior applications of all kinds having:

- Floor, walls ceilings soffits and room shelter functionality including fabrications of:
- Timber, pulp, with metal, polymer, ceramic, glass material types formed as
- Homogenous, heterogeneous, cast and extruded physical forms etc.

Specifications should conform to International and Australian Standards and advice including:

- AS 1859.1:2017 Reconstituted wood-based panels - Specifications Particleboard
- System outcomes and results declared per functional unit reflect product performance at reference exposure, strength, wear, temperature and humidity conditions defined by 14025:2006, 6.7.

VI. Declared Unit

The declared unit is brand-named cladding of given mass per unit area kg/m² area in all denoted exterior or interior commercial, industrial or residential sector building environments

VII. Functional Unit

The functional unit is 60 years use of the declared cladding per mass in kilograms, cradle to gate plus options to grave and fates beyond the system boundary.

VIII. Normative References

CENT/TR 15941 - 2010: Sustainability of construction works – Environmental Product Declarations- Methodology for the selection of generic data, European Committee for Standardisation (CEN)

CENT/TR 15942 - 2014: Sustainability of construction works - Environmental Product Declarations- Communication formats: business to business, CENCML LCA methodology, Institute of Environmental Sciences (CML), Faculty of Science, University of Leiden, Netherlands

EN 15643-1: 2011: Sustainability of construction works - Sustainability assessment of buildings – Part 1 general framework, CEN

EN 15643-2: 2011: Sustainability of construction works - Sustainability assessment of buildings – Part 2 framework for assessment of environmental performance, CEN

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

EN15978 - 2011: Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method, European Committee for Standardisation, CEN

ISO 6707-1:2004 Building and civil engineering: Vocabulary Part 1: General terms

ISO 9001:2008 Quality Management Systems Requirements

ISO 14001:2004 Environmental management systems: Requirements with guidance for use

ISO 14004:2004 EMS: General guidelines on principles, systems & support techniques

ISO 14015:2001 EMS: Environmental assessment of sites & organizations (EASO)

ISO 14020:2000 Environmental labels & declarations — General principles

ISO 14024:2009 Environmental labels & declarations -- Type I Principles & procedures

ISO 14025:2006 Environmental labelling & declarations Type III EPDs Principles & procedures

ISO 14031:1999 EM: Environmental performance evaluation: Guidelines

ISO 14040:2006 EM: Life cycle assessment (LCA): Principles & framework, London, BSI, 2006.

ISO 14044:2006 EM: LCA: Requirement & guideline LCI; LCIA Interpretation, London, BSI, 2006.

ISO 14050:2009 Environmental management: Vocabulary

ISO 14064:2006 EM: Greenhouse Gases: Organisation & Project reporting, Validation & verification

ISO 15392:2008 Sustainability in building construction General principles

ISO 15686-1:2011 Buildings & constructed assets Service life planning Part 1: General principles

ISO 15686-2:2012 Buildings & constructed assets Service life (SL) planning Part 2: prediction

ISO 15686-8:2008 Buildings & constructed assets SL planning Part 8: Reference & estimation

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