

# Global GreenTag<sup>Cert™</sup>

INTERNATIONAL EPD PROGRAM

sub-PCR Wall and Ceiling Linings WCL:2023 V1

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GLOBAL  
**GREEN TAG**  
INTERNATIONAL PTY LTD  
green product certification  
trust brands

**GLOBAL GREENTAG INTERNATIONAL PTY LTD**

**ENVIRONMENTAL PRODUCT DECLARATION (EPD) PROGRAM**

**Type III EPDs**

**Compliant to**

**EN 15804 +A2, ISO 14025 and ISO 21930**

**For construction products**

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

**Wall and Ceiling Linings Sub-PCR WCL:2023 V1**

## I. Application

While CEN standard EN 15804+A2 serves as the core Product Category Rules (PCR's) for all product categories, this document contains sub-PCRs that apply to a particular product category. The former is called the PCR master document and the latter 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 in time.

## II. Authors

These product category rules, compiled by Delwyn Jones, Director Sustainability, The Evah Institute a Division of Ecquate Pty Ltd have been customised for this product class Yasmin Kelly, Product Assessor and Deputy EPD Program Manager Global GreenTag International. Rules were approved for Global GreenTag adoption by Nana Bortsie-Aryee, Program Director, Global GreenTag International Pty Ltd.

## III. Terms of Validity

Product Category Wall and Ceiling Linings Sub-PCR WCL:2023

PCR issue date 05/06/2023 and

Period of validity to 05/06/2026

## IV. Goal

The intended goal of this sub-PCR is a guide for developing EPDs for sets of defined product with specified functionality. Users include specifiers, manufacturers and stakeholders. It is valid for all such defined products and related components according to standards and technical approvals herein.

## V. Product Set Definition

The declared product set includes for interior resilient coverings for walls and ceilings in:

- dry or wet areas used as moisture-resistant lining, underlay or backing being made of:
- fibre, hair, wool, metal, mineral, paper, polymer, pulp, rubber, wood or composites in
- cast, extruded, homogenous, heterogeneous, melded, laminated, woven or non-woven forms.

In this PCR such system outcomes and results are defined as in units of m<sup>2</sup> wall and ceiling coverage and skirting.

Conformance required is performance to meet International and Australian Standards including:

- Australian/New Zealand Standard (AS/NZS) 4256.3:2006 Plastic roof and wall cladding material
- Australian Building Codes Board (ABCB) NCC 2019 Volume Two Amendment 1 Part 3.5.4 Timber and composite wall cladding
- International Standards Association (ISO) 14644-1: Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness
- International Standards Association Australian Standard (ISO AS) 1397:2021 for Hot Dipped, Zinc Coated or Aluminium/Zinc Coated Sheet Steel and Strip
- International Standards Association Australian Standard (ISO AS) 4040.3:2018 for Methods of Testing Sheet Roof & Wall Cladding
- International Standards Association Australian Standard (ISO AS) 9239 Reaction to fire tests for flooring; BCA Spec C1.10 Reaction to Fire and BCA section C1.10a Fire Hazard Properties – Floors, Walls and Ceilings
- Australian/New Zealand Standard AS/NZS 2588:2018 Gypsum Plasterboard
- Australian/New Zealand Standard AS/NZS 2908.2:2000 Cellulose-cement products - Flat sheet

System outcomes and results are declared per unit mass and reflect product performance at reference conditions of exposure, strength, wear, temperature and humidity defined by 14025:2006, 6.7.

#### **VI. Declared Units**

This PCR's declared Unit is interior wall and or ceiling covering /kg or m<sup>2</sup> nett lettable floor area in any building sector.

#### **VII. Functional Units**

The functional unit is 20 years declared unit use /kg or m<sup>2</sup> cradle to grave system boundary and beyond.

## Normative References

- AS/NZS 4256.3:2006 Plastic roof and wall cladding material
- AS/NZS 2588:2018 Gypsum Plasterboard
- AS/NZS 2908.2:2000 Cellulose-cement products - Flat sheet
- Australian Building Codes Board (ABCB) NCC 2019 Volume Two Amendment 1 Part 3.5.4 Timber and composite wall cladding
- CENT/TR 15941 - 2010: Sustainability of construction works – Environmental Product Declarations- Methodology for the selection of generic data, 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, European Committee for Standardisation (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 14644-1: Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness
- 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
- ISO 21929-1:2011 Sustainability in building construction Sustainability indicators Part 1 Framework
- ISO 21930:2007 Building construction: Sustainability, Environmental declaration of building products
- ISO 21931-1:2010 Sustainability in building construction Framework for methods of assessment for environmental performance of construction works Part 1: Buildings
- ISO 21932:2013 Sustainability in buildings and civil engineering works -- A review of terminology

ISO AS 1397:2021 for Hot Dipped, Zinc Coated or Aluminium/Zinc Coated Sheet Steel and Strip

ISO AS 4040.3:2018 for Methods of Testing Sheet Roof & Wall Cladding

ISO AS 9239 Reaction to fire tests for flooring; BCA Spec C1.10 Reaction to Fire and BCA section C1.10a Fire Hazard Properties – Floors, Walls and Ceilings

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