

Global GreenTag^{Cert™}

INTERNATIONAL EPD PROGRAM

sub-PCR Structural Base Cabinetry and Shelving 2023 SBC V1



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green product certification
trust brands

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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

Structural Base Cabinetry and Shelving Sub-PCR 2023 SBC V1

I. Application

While CEN Standard EN 15804:2012+A2:2019 Sustainability of construction works: Environmental product declarations: Core rules for the product category of construction products 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 Ecuate Pty Ltd were customised for this product class by Yasmin Kelly, Product Assessor and Deputy EPD Manager, 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 Structural Base Shelving & Cabinetry sub-PCR 2023 SBC V1

PCR issue date 05/06/2023 and

Period of validity to 05/06/2026

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

Products sets include structural base cabinet and shelves for interior applications having:

- fixed base, 2 sides, a back and a top with fixed or removable shelves for
- kitchen, bathroom, laundry, workshop, craft, play or utility and other space made of:
- metal, polymer, timber, pulp, glass material types formed as
- homogenous, heterogeneous, cast and extruded physical forms etc.

Specifications must conform to International and Australian Standards or other equivalents including:

- AS 1859.1:2017 Reconstituted wood-based panels - Specifications Particleboard
- AS 4386:2018 Cabinetry in the built-in environment — Commercial and domestic
- AS/NZS 4790:2006 (R2016) Furniture - Storage units - Determination of strength and durability
- AS 2143-1978 Industrial and commercial steel shelving

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 interior structural cabinetry with shelves/kg in any building sector including cradle to gate scope (A1-A3).

VII. Functional Unit

The functional unit is 20 years use of interior structural cabinetry with shelves/kg declared product including cradle to gate and beyond the system boundary.

Normative References

- AS 1859.1:2017 Reconstituted wood-based panels - Specifications Particleboard
- AS 2143-1978 Industrial and commercial steel shelving
- AS 4386:2018 Cabinetry in the built-in environment — Commercial and domestic
- AS/NZS 4790:2006 (R2016) Furniture - Storage units - Determination of strength and durability
- 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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