

Global GreenTag^{Cert™}

INTERNATIONAL EPD PROGRAM



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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

Wildlife Nesting Box Sub-PCR 2023 WNB V1

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 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 Wildlife Nesting Box sub-PCR 2023 WNB V1
- PCR issue date 16/05/2023 and
- Period of validity to 16/05/2028

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 wildlife habitat structures for exterior applications of all kinds having:

- Floor, walls and roof shelter for sleeping and nesting functionality including fabrications of:
- Metal, polymer, timber, pulp, 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
- Gibbons P & Lindenmeyer D (2002) Tree Hollows and Nature Conservation in Australia. CSIRO Australia.
- Franks A and Franks S (2007) Nest Boxes for Wildlife: a practical guide. The Green Book Company.

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 a brand-named wildlife nest-box of given product mass in all exterior environments

VII. Functional Unit

The functional unit is 20 years use of a wildlife nest-box per mass in kilograms, cradle to gate plus options to grave and fates beyond the system boundary.

VIII. Normative References

- Birds in Backyards nest box plans, BirdLife Australia: <http://www.birdsinbackyards.net/Nest-Box-Plans>
- Boxes for Bats fact sheet, Australasian Bat Society: <http://ausbats.org.au/>
- CSIRO, Collingwood Learning from nest boxes – monitoring and storing data fact sheet,
- 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
- Franks Alan and Stacey (2003). Nest boxes for wildlife: a practical guide. Bloomings Books, Melbourne
- Franks A and Franks S (2007) Nest Boxes for Wildlife: a practical guide. The Green Book Company.
- Gibbons P & Lindenmeyer D (2002) Tree Hollows and Nature Conservation in Australia. CSIRO Australia.
- 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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