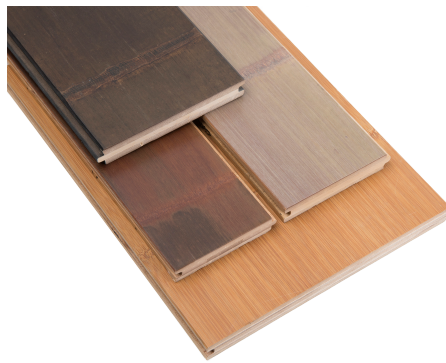


Environmental Product Declaration

Information Disclosure Summary

In accordance with ISO 14025 and EN 15804 for

ecoSolid
Unfurled Bamboo Flooring



From



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| | |
|--------------------------------|---|
| EPD programme | <i>The International EPD® System</i> |
| Programme operator | <i>EPD International AB</i> |
| Third-Party Verifier | <i>Bill Kung, Ecovane Environmental</i> |
| EPD Owner | <i>Zhejiang Daocheng Bamboo Industry Co., Ltd</i> |
| Product Name | <i>dasso Ecosolid</i> |
| EPD registration number | <i>S-P-01927</i> |
| Publication date | <i>2020-4-1</i> |
| Valid until | <i>2025-4-1 (5 years)</i> |

SCOPE AND GOAL

EPD Scope: “cradle-to-gate with options”, including transport to building site and end of Life stage.

Geographical scope: Global

Declared Unit: the declared unit aims at providing a reference to which the data inputs and outputs are normalized in such a way that the same level of service is represented. The declared unit for this study is 1 kilogram (kg) of dasso Ecosolid boards (flooring& panel) for interior use.

EPD Goal: according to the data analysis, it indicates the potential environmental impact of dasso Ecosolid during the whole lifespan (35 years).

PRODUCT & APPLICATION

dasso ecosolid bamboo use a revolutionary patented process. This method unfurled the entire piece of bamboo which remain the original bamboo appearance, is an ecological natural product.

Ecosolid have three collection: the Forest, the MOMA and the new world. The Forest series retains the bamboo skin which is rigid, wear-resistant and scratch-resistant, and is suitable for commercial places with high traffic; The MOMA series is wild in size and uses a floating click installation. Beautiful and practical, easily in installation; The New World series can be processed into various colors in your desire. All of them can be processed into flooring, wall cladding, furniture, cutting boards, etc. used in residential, commercial, public project.

LCA DESCRIPTION

LCA refers to life cycle assessment, it assesses environmental impacts associated with all the stages of the life-cycle of dasso bamboo product. The goal of LCA is to analyze the environmental effects of products by quantifying all inputs and outputs of material flows and assessing how these material flows affect the environment.

LCA-MODULES

| Description of the System Boundary (X=INCLUDED IN LCA/MND=MODULE NOT DECLARED) | | | | | | | | | | | | | | | | |
|--|-----------|---------------|----------------------------|------------------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|--------------------------------|-----------|------------------|-------------------------|------------------------------------|
| Product Stage | | | Construction process stage | | Use Stage | | | | | | | End of life stage | | | Resource recovery stage | |
| Raw Material | Transport | Manufacturing | Transport | Assembly/Install | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction and demolition | Transport | Waste processing | disposal | Reuse-Recovery-recycling-potential |
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
| X | X | X | X | MND | MND | MND | MND | MND | MND | MND | MND | X | X | X | X | X |

The life cycle stages below have been covered:

A1-A3: Product stage (raw material acquisition, transport to manufacturing site and manufacturing)

A4: Construction stage (transport to user site)

C1-C4: End-of-life stage (deconstruction, transport, waste processing and disposal)

D: Resource recovery stage (reuse, recovery, recycling)

Excluded lifecycle stages:

The installation stage on the construction site and the usage stage of the product are excluded from this study.

LCA RESULT

dasso Ecosolid- Potential Environmental Impacts:

The results presented below are for the listed environmental categories for 1 kg of dasso Ecosolid bamboo board and are aggregated for A1-A4, C1-C4 and D stages. The results are presented for dasso Ecosolid flooring and panel.

| PARAMETER | UNIT | Product stage | | | Costruction process stage | End of life stage | | | |
|--|--------------------------------------|-------------------------|----------|----------|---------------------------|-------------------|-----------|-----------|----------|
| | | A1 | A2 | A3 | A4 | C2 | C3-CN | C3-EU | |
| Global warming potential (GWP) | kg CO ₂ eq. | 3.50E-01 | 1.10E-02 | 5.50E-01 | 2.10E-01 | 2.29E-02 | -2.22E+00 | -7.44E-01 | |
| Depletion potential of the stratospheric ozone layer (ODP) | kg CFC 11 eq. | 8.50E-09 | 1.40E-09 | 2.30E-08 | 3.40E-08 | 3.78E-09 | 4.82E-07 | 3.84E-07 | |
| Acidification potential (AP) | kg SO ₂ eq. | 2.50E-03 | 4.60E-05 | 2.20E-03 | 4.50E-03 | 8.84E-05 | -1.78E-02 | 9.04E-04 | |
| Eutrophication potential (EP) | kg PO ₄ ³⁻ eq. | 4.00E-04 | 1.40E-05 | 5.60E-04 | 5.30E-04 | 3.39E-05 | 4.89E-04 | -8.90E-04 | |
| Formation potential of tropospheric ozone (POCP) | kg C ₂ H ₄ eq. | 1.90E-04 | 1.90E-06 | 8.80E-05 | 1.40E-04 | 4.02E-06 | -5.60E-04 | 1.48E-04 | |
| Abiotic depletion potential – Elements | kg Sb eq. | 7.00E-07 | 1.50E-08 | 2.50E-07 | 7.90E-08 | 1.59E-08 | 2.47E-05 | 2.45E-05 | |
| Abiotic depletion potential – Fossil resources | MJ, net calorific value | 6.50E+00 | 1.70E-01 | 5.80E+00 | 3.20E+00 | 3.62E-01 | -8.53E+00 | 4.25E-01 | |
| Primary energy resources – Renewable | Use as energy carrier | MJ, net calorific value | 5.30E-02 | 6.00E-03 | 1.00E+00 | 2.10E-01 | 1.90E-02 | 3.60E+00 | 1.70E+00 |
| | Used as raw materials | MJ, net calorific value | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | TOTAL | MJ, net calorific value | 5.30E-02 | 6.00E-03 | 1.00E+00 | 2.10E-01 | 1.90E-02 | 3.60E+00 | 1.70E+00 |
| Primary energy resources – Non-renewable | Use as energy carrier | MJ, net calorific value | 2.90E-02 | 3.80E-04 | 9.90E-02 | 5.40E-03 | 8.20E-04 | -1.50E-01 | 1.80E-01 |
| | Used as raw materials | MJ, net calorific value | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | TOTAL | MJ, net calorific value | 2.90E-02 | 3.80E-04 | 9.90E-02 | 5.40E-03 | 8.20E-04 | -1.50E-01 | 1.80E-01 |
| Secondary material | kg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Renewable secondary fuels | MJ, net calorific value | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Non-renewable secondary fuels | MJ, net calorific value | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Net use of fresh water | m ³ | 0.00E+00 | 0.00E+00 | 1.55E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |

* C3-CN refers the products are used and the end of life stage is in China;

* C3-EU refers the products are used and the end of life stage is in European.

Additional environmental information

The formaldehyde emission of dasso Ecosolid bamboo is no more than 3.5 mg/m²h and the product reaches therefore the emission Class E1 according to EN717-2 (Wood-based Panels – Determination of Formaldehyde Release – Formaldehyde release by the gas analysis method).

Please notice this is the information disclosure summary, contact info@dassogroup.com or visit www.environdec.com to get the official EPD report.