

## Environmental Product Declaration

Average EPD

In accordance with ISO 14025:2010 and EN 15804:2012+A2:2019/AC:2021

# Alto Cubicle Range

## Washroom Washroom Ltd



### Programme

EPD Square | [www.epdsquare.com](http://www.epdsquare.com)

### Programme operator

EPD Square, s.r.o.

### EPD Registration number

SQ 00-080

### Publication date

28.08.2026

### Valid until

27.08.2031

## General information

**Product**

Alto Cubicle Range

**Program operator**

EPD Square, s.r.o.  
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**Registration number**

SQ 00-080

**Publication date**

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**Valid until date**

27.08.2031

**Owner of the declaration**

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**Manufacturer**

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Essex RM4 1TU, United Kingdom  
Telephone: 0800 999 8888  
Email: [melville@washroom.co.uk](mailto:melville@washroom.co.uk)

**Place of production**

Washroom Washroom Ltd  
Units 1-10 Hill Farm, Epping Lane Abridge  
Essex RM4 1TU, United Kingdom

**Product Category Rules (PCR)**

EPD Square PCR v1.0.1, 2025

**Declared/Functional unit**

1 Unit of Alto Cubicle measuring 910 mm (W) x 1740 mm (D) x 2400 mm (H)

**Mass per DU**

86.7 kg

**UN CPC code**

31422 Other plywood, veneered panels and similar laminated wood, of non-coniferous wood

**Geographical scope**

United Kingdom

**Year of study**

2024

**Comparability**

EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in the context of the building.

**EPD author**

Silvia Vilčeková, Ľudmila Vaculová Mečiarová, EPD Clarity, s.r.o.

**Verification type**

Independent verification of the declaration and data, according to ISO14025:2010

Internal: ☐

External: ☒

**Verified by**

Daniel Satola, Daniel Satola Consulting

*Satola Daniel*

*The owner of the declaration shall be liable for the underlying information and evidence.*

*EPD Square shall not be liable with respect to manufacturer, life cycle assessment data and evidence.*

## System boundaries

Cradle to gate with options, modules C1-C4 and module D and additional modules A4, A5.

## Modules declared and geographical scope

|                  | Product stage       |           |               | Construction process stage |                           | Use stage |             |        |             |               |                        |                       | End of life stage          |           |                  |          | Resource recovery stage            |
|------------------|---------------------|-----------|---------------|----------------------------|---------------------------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-----------|------------------|----------|------------------------------------|
|                  | Raw material supply | Transport | Manufacturing | Transport                  | Construction installation | Use       | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |
| Module           | A1                  | A2        | A3            | A4                         | A5                        | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                         | C2        | C3               | C4       | D                                  |
| Modules declared | ✓                   | ✓         | ✓             | ✓                          | ✓                         | ND        | ND          | ND     | ND          | ND            | ND                     | ND                    | ✓                          | ✓         | ✓                | ✓        | ✓                                  |
| Geographic scope | GLO                 | GLO       | UK            | UK                         | UK                        | ND        | ND          | ND     | ND          | ND            | ND                     | ND                    | UK                         | UK        | UK               | UK       | UK                                 |

Not declared = ND.

## Description of organization

Since 2001, Washroom Washroom Limited has been a leader in designing and manufacturing premium washroom and changing room solutions. Operating from its Essex-based facilities, the company delivers bespoke cubicles, vanities, lockers, and duct panelling with a focus on quality, innovation, and sustainability. Its commitment to excellence has earned industry recognition, establishing Washroom Washroom Limited as a trusted partner for projects across the UK.

## Product information

### Product name

Alto Cubicle Range

### Product description

This Environmental Product Declaration covers the Alto washroom cubicle system range, a full-height, floor-to-ceiling toilet and changing cubicle solution designed for premium interior applications. The product is delivered as a complete system including doors, pilasters, partitions, and all associated ironmongery and mounting hardware, ready for installation on site.

Alto cubicles are constructed using a 44 mm chipboard core (or 44 mm bamboo) for both doors and pilasters, faced (N/A, for bamboo) in real wood veneer, high-pressure laminate (HPL), Corian, or lacquered finish, with lipped hardwood edges. Partitions are available in multiple construction options, ranging from double-panel timber frame assemblies to laminated MDF or twin chipboard panel configurations, depending on performance and aesthetic requirements. The product is designed to provide a seamless rebated flush façade with minimal visible joint lines.

The system incorporates high-performance architectural hardware including stainless steel indicator locks, soft-closing hinges, and coat hooks. The product is manufactured as a full-height solution with typical installation height up to 3000 mm and a standard 20 mm floor clearance. Standard cubicle depth ranges from 1500 mm to 1800 mm, with bespoke sizes available. Document M compliant outward-opening accessible configurations are available, including external pull handles and optional grab rails.

### Product application

The Alto system is intended for high-specification washroom environments such as commercial offices, luxury hospitality, cultural and public venues, where enhanced user privacy, design continuity, and durable material performance are required. The EPD covers the complete cubicle assembly as delivered to site, excluding site-installed walls, ceilings, floor finishes, or connected sanitaryware.

### Geographical scope

United Kingdom

## Product contents information

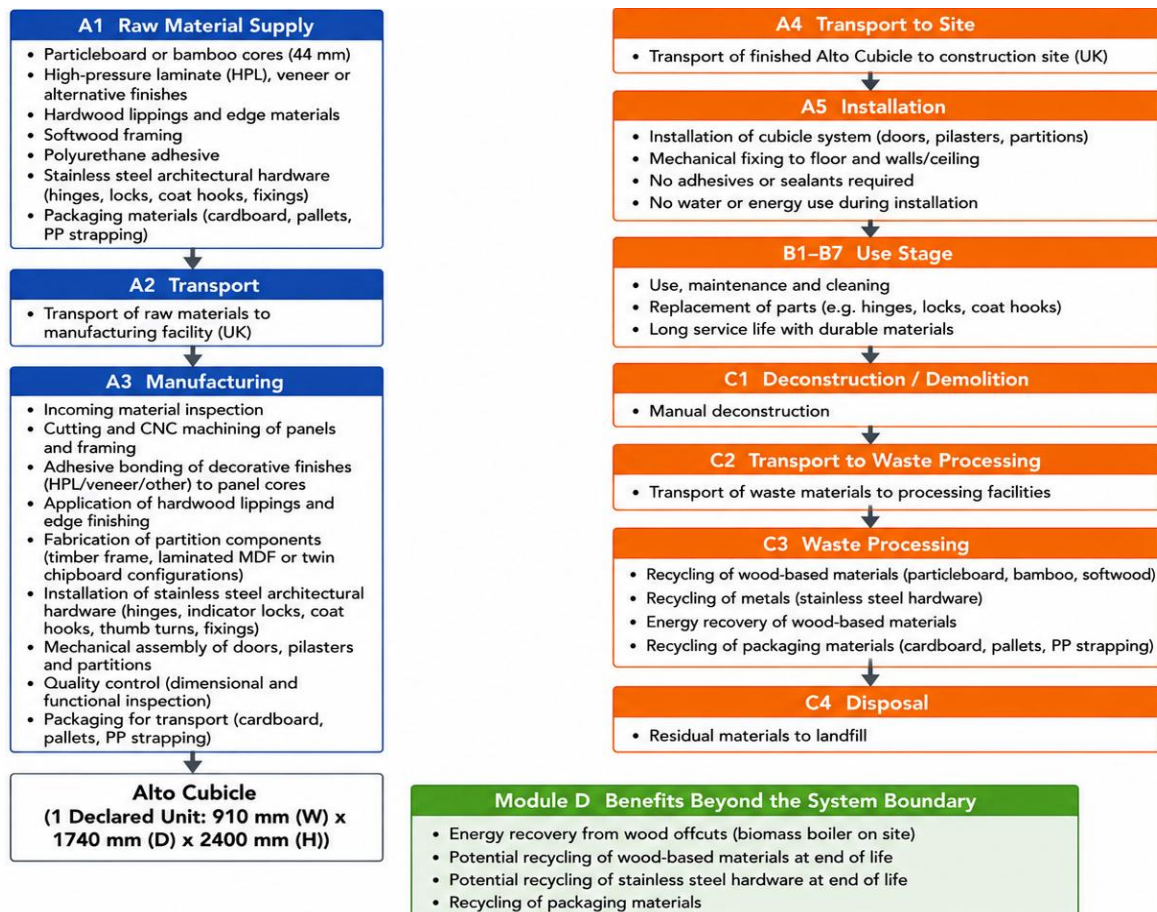
| Product components               | Weight, kg | Post-consumer material, weight-% | Renewable material, weight-% |
|----------------------------------|------------|----------------------------------|------------------------------|
| HPL/Veneer/Bamboo Core           | 25.61      | 0                                | 63                           |
| Thumb turn indicator/Mortic Lock | 3.75       | 0                                | 0                            |
| Pivot Hinge                      | 3.00       | 0                                | 0                            |
| Coat Hook                        | 0.10       | 0                                | 0                            |
| Softwood                         | 5.04       | 0                                | 100                          |
| Adhesive                         | 1.89       | 0                                | 0                            |
| Particleboard                    | 47.29      | 0                                | 91                           |
| TOTAL                            | 86.7       | 0                                | 74.06                        |
| Packaging materials              | Weight, kg | Weight-% (versus the product)    |                              |
| Cardboard box + protection       | 3.5        | 4.0                              |                              |
| PP strapping                     | 0.2        | 0.2                              |                              |
| Wooden pallet                    | 10         | 11.5                             |                              |
| TOTAL                            | 13.7       | 15.7                             |                              |

## Manufacturing process

The Alto Cubicle Range is manufactured at Washroom Washroom Limited's production facility in Essex, United Kingdom, using a controlled production process common to all product variants. Manufacturing begins with the receipt and inspection of incoming raw materials, including 44 mm particleboard or bamboo cores, high-pressure laminate (HPL), real wood veneer or alternative decorative finishes, softwood framing, polyurethane adhesive and stainless steel architectural hardware.

Door leaves, pilasters and partition panels are precision cut and CNC machined to project-specific dimensions. Decorative HPL, veneer or other specified finishes are bonded to the panel cores using polyurethane adhesive before hardwood lippings and edge finishing are applied where required. Partition components are manufactured according to the selected construction type, including double-panel timber frame assemblies, laminated MDF or twin chipboard configurations, while maintaining the same production route across all product variants.

Following panel manufacture, stainless steel architectural hardware, including hinges, indicator locks, thumb turns, coat hooks and associated fittings, is installed using mechanical fixings. The complete cubicle system, comprising doors, pilasters, partitions and hardware, is assembled and inspected to ensure dimensional accuracy, functional performance and compliance with project specifications. All product variants are manufactured on the same production line, differing only in decorative finish materials.



## Life cycle assessment

### Cut-off criteria

The study does not exclude any modules or processes which are stated mandatory in the standards and PCR. The study does not exclude any hazardous materials or substances.

The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes for which data is available are included in the calculation. There is no neglected unit process more than 1% of total mass and energy flows. The total excluded input and output flows do not exceed 5% of energy usage or mass.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy and water use related to company management and sales activities are excluded.

The LCA includes all industrial processes from raw material acquisition to production, distribution, installation and end-of-life stages. The study includes modules A1-A3, A4, A5, C1-C4 and D modules, and does not exclude any modules or processes which are stated mandatory in the EN 15804:2012+A2:2019 and the applied PCR.

### Allocation, estimations, and assumptions

Allocation is based on the annual production output of the manufacturing facility. Primary manufacturing data, including material consumption, electricity use, packaging materials and waste generation, were allocated to the declared unit using a mass-based allocation in accordance with EN 15804+A2. Where allocation could not be avoided, physical relationships were applied.

This EPD represents averaged results in accordance with the applicable averaging rules.

### Database(s) and LCA software

This EPD has been created using One Click LCA Pre-Verified EPD Generator. Ecoinvent v3.11, Environmental Product declarations and One Click LCA databases were used as sources of environmental data.

## LCA scenarios and additional technical information

### Module A1

This module includes the extraction and upstream processing of all raw materials used in the Alto Cubicle Range. The main materials comprise HPL/ veneer/ bamboo core, softwood, chipboard core, thumb turn indicator, mortice lock, pivot hinge, coat hook, and adhesive. Materials are modelled using supplier-specific or representative proxy datasets.

### Module A2

This module covers the transportation of all raw materials and components from their respective suppliers to the manufacturing and assembly facility. Transport is modelled using a combination of road freight and sea freight, reflecting supplier locations and typical logistics routes. Transport distances are derived from supplier origin data and conservative routing assumptions. All inbound transport is modelled using Euro-compliant vehicles and container shipping where applicable. Module includes Transport, freight, lorry, 16-32 metric ton, diesel, EURO 6, Ecoinvent 3.11 or Transport, freight, lorry, 3.5-7.5 metric ton, diesel, EURO 6, Ecoinvent 3.11.

### Module A3

This module covers all processing operations at the production facility, including panel cutting, CNC drilling, edge finishing and assembly of the cubicle components. Energy consumption from electricity and heating is included using a market-based electricity mix. Packaging materials such as cardboard, pallet wood and polypropylene strapping are included. Wood offcuts generated during manufacturing are used in an on-site biomass boiler for energy recovery, reducing production waste to landfill and contributing to renewable heat provision for the facility.

### Manufacturing energy scenario (A3)

| Electricity data source and quality | Electricity, medium voltage, residual mix, United Kingdom | Ecoinvent 3.11 |
|-------------------------------------|-----------------------------------------------------------|----------------|
| Electricity CO <sub>2e</sub> / kWh  | 0.47                                                      |                |

### Module A4

The delivery (A4) of the finished cubicle system to the construction site is modelled using a 3.5-tonne EURO 6 compliant van. A conservative average transport distance of 150 km is assumed to represent typical regional deliveries from the manufacturing facility to the site; this distance is considered a realistic upper bound given variability in customer locations. Due to protective palletisation and secure packaging, no material losses are expected during transport.

### Transportation scenario (A4)

| Vehicle type used for transport   | Transport, freight, lorry 3.5-7.5 metric ton, EURO 6, Ecoinvent 3.11 |
|-----------------------------------|----------------------------------------------------------------------|
| Distance to the construction site | 150 km                                                               |
| Capacity utilization              | 1                                                                    |
| Capacity utilization factor       | 1                                                                    |

## Module A5

Installation (A5) is carried out manually using standard hand tools, with no requirement for powered lifting equipment or energy-consuming machinery. A silicone-based adhesive is applied on site to ensure watertight joints and proper panel alignment. As no cutting, modification, or trimming of materials is required during fitting, no material losses occur during installation. Packaging materials (e.g. wooden pallets, cardboard, polypropylene strapping) are removed at this stage and modelled for end-of-life treatment.

## Module C1

The energy and use of natural resources during deconstruction are considered negligible; dismantling is assumed to be carried out manually with basic hand tools and no significant auxiliary inputs.

## Module C2

Following removal, materials are collected as mixed construction and demolition waste and transported by European heavy goods vehicles to licensed treatment facilities. Transport is modelled by route: 250 km to recycling operations, 150 km to energy-recovery plants, and 50 km to landfill, reflecting typical regional haulage to each destination. Transport to waste treatment facilities is modelled using a representative lorry transport dataset (Transport freight lorry >32 metric tonne), representing the most common transport method for construction and demolition waste.

## Module C3

Waste processing includes sorting and preparation of materials for recycling, energy recovery or disposal. HPL, softwood and MDF panels are treated as mixed wood-based construction waste and routed to recycling, incineration with energy recovery, or landfill according to European treatment shares. Stainless steel components are sorted and prepared for recycling, with recovery rates aligned with Eurostat and BuildLCA assumptions. Incineration of timber yields exported electricity and heat; energy substitution is modelled with lower heating value-based efficiencies (electricity and thermal generation) consistent with the datasets used. Packaging associated with transport (e.g., pallets, boards, cardboard and film) follows the same sorting logic and is routed to recycling or incineration with energy recovery where applicable, with residuals landfilled.

## Module C4

Residual materials remaining after recycling and waste processing are disposed of in accordance with applicable waste management practices. Materials that cannot be recycled or recovered are assumed to be disposed of using European waste management scenarios, including landfill where appropriate, in accordance with applicable legislation.

## End of life (C1, C3, C4)

|                                       | Value | Unit |
|---------------------------------------|-------|------|
| Collected separately                  | 86.7  | kg   |
| Collected as mixed construction waste | 0     | kg   |
| Reuse                                 | 0     | kg   |
| Recycling                             | 26.7  | kg   |
| Energy recovery                       | 0.0   | kg   |
| To landfill                           | 21.0  | kg   |

## Module D

Module D accounts for benefits and loads arising from material recovery and energy substitution beyond the system boundary. Recycled stainless steel is credited with the avoided production of primary metal, after deduction of collection and recycling burdens. Recovered wood-based fractions generate benefits through substitution of secondary wood products and, where incinerated, through exported electricity and heat that substitute conventional energy generation. All credits are reported in accordance with EN 15804, ensuring that benefits are not double-counted with impacts reported in modules C3 and C4.

## Data quality

The data quality assessment was carried out in accordance with EN 15941 and the Product Environmental Footprint (PEF) data quality methodology. Manufacturer-specific production data were collected for the reference period January 2024 – December 2024 and complemented with supplier-specific Environmental Product Declarations (EPDs), where available, and ecoinvent v3.11 (2024) background datasets. The overall data quality of the assessment was evaluated as Good to Very Good, with high geographical, technological and temporal representativeness. No significant data gaps or quality issues affecting the conclusions of the study were identified.

## LCA results

Results are presented per 1 Unit (Declared Unit) of the product. Estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

### Core environmental impact indicators – EN 15804+A2

| Indicator      | Unit                   | A1-A3     | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|----------------|------------------------|-----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP-total      | kg CO <sub>2</sub> eq. | -8.25E+00 | 8.45E+00 | 1.96E+01 | 0.00E+00 | 1.49E+00 | 9.15E+01 | 2.88E+01 | -7.54E+01 |
| GWP-fossil     | kg CO <sub>2</sub> eq. | 1.27E+02  | 8.45E+00 | 3.38E+00 | 0.00E+00 | 1.49E+00 | 8.84E-01 | 2.23E-01 | -3.93E+01 |
| GWP-biogenic   | kg CO <sub>2</sub> eq. | -1.35E+02 | 0.00E+00 | 1.62E+01 | 0.00E+00 | 0.00E+00 | 9.06E+01 | 2.86E+01 | -3.61E+01 |
| GWP-LULUC      | kg CO <sub>2</sub> eq. | 5.00E-01  | 3.17E-03 | 2.96E-03 | 0.00E+00 | 7.03E-04 | 7.49E-04 | 1.33E-04 | -6.27E-02 |
| ODP            | kg CFC-11 eq.          | 1.08E-05  | 1.83E-07 | 6.62E-05 | 0.00E+00 | 2.20E-08 | 1.09E-08 | 5.69E-09 | -4.60E-07 |
| AP             | mol H <sup>+</sup> eq. | 1.02E+00  | 1.76E-02 | 1.25E-02 | 0.00E+00 | 3.95E-03 | 8.73E-03 | 1.56E-03 | -2.33E-01 |
| EP-freshwater  | kg P eq.               | 2.16E-02  | 6.93E-04 | 8.93E-04 | 0.00E+00 | 1.66E-04 | 4.94E-04 | 1.63E-04 | -3.95E-02 |
| EP-marine      | kg N eq.               | 1.84E-01  | 3.89E-03 | 4.47E-03 | 0.00E+00 | 9.88E-04 | 3.85E-03 | 6.68E-03 | -4.61E-02 |
| EP-terrestrial | mol N eq.              | 1.92E+00  | 4.19E-02 | 2.84E-02 | 0.00E+00 | 1.07E-02 | 3.75E-02 | 6.52E-03 | -4.74E-01 |
| POCP           | kg NMVOC eq.           | 2.39E+00  | 2.65E-02 | 1.14E-02 | 0.00E+00 | 5.77E-03 | 9.70E-03 | 2.66E-03 | -1.47E-01 |
| ADP-M&M        | kg Sb eq.              | 2.48E-02  | 4.03E-05 | 2.32E-05 | 0.00E+00 | 4.38E-06 | 1.20E-05 | 4.15E-07 | -9.10E-04 |
| ADP-fossil     | MJ                     | 2.04E+03  | 1.19E+02 | 5.35E+01 | 0.00E+00 | 2.21E+01 | 1.05E+01 | 5.02E+00 | -5.49E+02 |
| WDP            | m <sup>3</sup>         | 5.25E+01  | 6.95E-01 | 4.67E+00 | 0.00E+00 | 1.31E-01 | 1.43E+00 | 2.21E-01 | -1.88E+01 |

**GWP-total:** Global Warming Potential; **GWP-fossil:** Global Warming Potential fossil fuels; **GWP-biogenic:** Global Warming Potential biogenic; **GWP-LULUC:** Global Warming Potential land use and land use change; **ODP:** Depletion potential of the stratospheric ozone layer; **AP:** Acidification potential, Accumulated Exceedance; **EP-freshwater:** Eutrophication potential, fraction of nutrients reaching freshwater end compartment; See "additional requirements" for indicator given as P04 eq. **EP-marine:** Eutrophication potential, fraction of nutrients reaching freshwater end compartment; **EP-terrestrial:** Eutrophication potential, Accumulated Exceedance; **POCP:** Formation potential of tropospheric ozone; **ADP-M&M:** Abiotic depletion potential for non-fossil resources (minerals and metals); **ADP-fossil:** Abiotic depletion potential for fossil resources; **WDP:** Water deprivation potential, deprivation weighted water consumption

## Additional (optional) environmental impact indicators – EN 15804+A2

| Indicator | Unit              | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|-----------|-------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| PM        | Disease incidence | 4.58E+00 | 4.53E-07 | 1.36E-07 | 0.00E+00 | 1.43E-07 | 9.78E-08 | 3.61E-08 | -4.04E-06 |
| IRP       | kBq U235 eq.      | 1.45E+01 | 2.16E-01 | 3.12E-01 | 0.00E+00 | 1.90E-02 | 1.11E-01 | 3.94E-03 | -7.25E+00 |
| ETP-fw    | CTUe              | 3.11E+03 | 1.05E+02 | 1.87E+02 | 0.00E+00 | 2.48E+01 | 2.79E+01 | 6.61E+00 | -2.21E+03 |
| HTP-c     | CTUh              | 2.53E+00 | 1.52E-09 | 4.74E-09 | 0.00E+00 | 2.46E-10 | 1.29E-09 | 5.51E-11 | -3.12E-08 |
| HTP-nc    | CTUh              | 2.53E+00 | 7.12E-08 | 3.75E-08 | 0.00E+00 | 1.41E-08 | 8.58E-08 | 3.89E-09 | -7.46E-07 |
| SQP       | Dimensionless     | 3.19E+03 | 4.89E+01 | 1.75E+01 | 0.00E+00 | 2.19E+01 | 5.77E+00 | 1.17E+01 | -6.58E+02 |

**PM:** Particulate matter emissions; **IRP:** Ionising radiation, human health; **ETP-fw:** Ecotoxicity (freshwater); **ETP-c:** Human toxicity, cancer effects; **HTP-nc:** Human toxicity, non-cancer effects; **SQP:** Land use related impacts / soil quality

## Use of natural resources

| Parameter | Unit           | A1-A3    | A4       | A5        | C1       | C2       | C3        | C4        | D         |
|-----------|----------------|----------|----------|-----------|----------|----------|-----------|-----------|-----------|
| RPEE      | MJ             | 2.01E+02 | 2.70E+00 | -1.97E+02 | 0.00E+00 | 3.06E-01 | -6.59E+02 | -3.17E+02 | -5.21E+01 |
| RPEM      | MJ             | 9.16E+02 | 0.00E+00 | -1.96E+02 | 0.00E+00 | 0.00E+00 | -5.47E+02 | -1.73E+02 | 2.67E+02  |
| TPE       | MJ             | 1.12E+03 | 2.70E+00 | -3.93E+02 | 0.00E+00 | 3.06E-01 | -1.21E+03 | -4.89E+02 | 2.15E+02  |
| NRPE      | MJ             | 1.86E+03 | 1.19E+02 | 3.67E+01  | 0.00E+00 | 2.21E+01 | 1.05E+01  | 5.02E+00  | -5.49E+02 |
| NRPM      | MJ             | 1.96E+02 | 0.00E+00 | -1.67E+01 | 0.00E+00 | 0.00E+00 | -1.36E+02 | -4.29E+01 | 3.92E+01  |
| TRPE      | MJ             | 2.05E+03 | 1.19E+02 | 2.00E+01  | 0.00E+00 | 2.21E+01 | -1.25E+02 | -3.79E+01 | -5.10E+02 |
| SM        | kg             | 9.54E+00 | 6.36E-02 | 1.29E-02  | 0.00E+00 | 9.23E-03 | 1.63E-02  | 1.68E-03  | 3.60E+00  |
| RSF       | MJ             | 1.47E+01 | 7.09E-04 | 2.82E-04  | 0.00E+00 | 1.20E-04 | 1.56E-04  | 3.39E-05  | -8.84E-03 |
| NRSF      | MJ             | 3.31E+00 | 0.00E+00 | 0.00E+00  | 0.00E+00 | 0.00E+00 | 0.00E+00  | 0.00E+00  | 0.00E+00  |
| W         | m <sup>3</sup> | 1.29E+01 | 1.60E-02 | 9.05E-02  | 0.00E+00 | 3.32E-03 | 1.06E-02  | -6.88E-02 | -4.19E-01 |

**RPEE:** Renewable primary energy resources used as energy carrier; **RPEM:** Renewable primary energy resources used as raw materials; **TPE:** Total use of renewable primary energy resources; **NRPE:** Non-renewable primary energy resources used as energy carrier; **NRPM:** Non-renewable primary energy resources used as materials; **TRPE:** Total use of non-renewable primary energy resources; **SM:** Use of secondary materials; **RSF:** Use of renewable secondary fuels; **NRSF:** Use of non-renewable secondary fuels; **W:** Use of net fresh water

## End of life – Waste

| Parameter | Unit | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|-----------|------|----------|----------|----------|----------|----------|----------|----------|-----------|
| HW        | kg   | 1.28E+01 | 1.83E-01 | 1.87E-01 | 0.00E+00 | 4.80E-02 | 2.74E-01 | 8.00E-03 | -3.10E+01 |
| NHW       | kg   | 3.21E+02 | 4.57E+00 | 1.94E+01 | 0.00E+00 | 9.18E-01 | 4.12E+01 | 4.95E+01 | -2.13E+02 |
| RW        | kg   | 1.28E-02 | 5.38E-05 | 7.92E-05 | 0.00E+00 | 4.66E-06 | 2.85E-05 | 9.65E-07 | -1.85E-03 |

**HW:** Hazardous waste disposed; **NHW:** Non-hazardous waste disposed; **RW:** Radioactive waste disposed

## End of life – Output flows

| Parameter | Unit | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D        |
|-----------|------|----------|----------|----------|----------|----------|----------|----------|----------|
| CR        | kg   | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| MR        | kg   | 0.00E+00 | 0.00E+00 | 6.19E+00 | 0.00E+00 | 0.00E+00 | 2.68E+01 | 0.00E+00 | 0.00E+00 |
| MER       | kg   | 1.77E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| EEE       | MJ   | 2.95E+08 | 0.00E+00 | 7.76E+00 | 0.00E+00 | 0.00E+00 | 9.39E+01 | 0.00E+00 | 0.00E+00 |
| ETE       | MJ   | 0.00E+00 | 0.00E+00 | 1.07E+01 | 0.00E+00 | 0.00E+00 | 1.29E+02 | 0.00E+00 | 0.00E+00 |

**CR:** Components for reuse; **MR:** Materials for recycling; **MER:** Materials for energy recovery; **EEE:** Exported electric energy; **ETE:** Exported thermal energy

## Information describing biogenic carbon content at factory gate

| Biogenic carbon content                               | Value | Unit |
|-------------------------------------------------------|-------|------|
| Biogenic carbon content in product                    | 33.17 | kg C |
| Biogenic carbon content in the accompanying packaging | 4.42  | kg C |

## Specific data (GWP-GHG) and data variation for A1-A3

| Specific data and data variation | Value-%     |
|----------------------------------|-------------|
| Specific data                    | 69.83       |
| Variation - product              | -40.2; 46.5 |
| Variation - site                 | -           |

The largest variations between the products are primarily caused by differences in the high-pressure laminate (HPL) and bamboo panel.

## Hazardous substances

- ☒ The product does not contain any REACH SVHC substances in amounts greater than 0.1 %.

## Contact information

### **Programme operator**

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### **EPD owner**

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Annex

Environmental impacts – GWP-GHG

| Indicator | Unit                   | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|-----------|------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP - GHG | kg CO <sub>2</sub> eq. | 1.27E+02 | 8.45E+00 | 3.38E+00 | 0.00E+00 | 1.49E+00 | 8.85E-01 | 2.23E-01 | -3.93E+01 |

**GWP- GHG:** Global Warming Potential, greenhouse gases