

# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

GROUP PD1 - Modular Systems of Plywood Cloakroom Furniture (standing, hanging, corner cabinets)



EPD-Global

**Owner of the declaration:**

Moje Bambino Sp. z o.o.

**Product:**

GROUP PD1 - Modular Systems of Plywood Cloakroom Furniture (standing, hanging, corner cabinets)

**Declared unit:**

1 pcs

**This declaration is based on Product Category Rules:**

CEN Standard EN 15804:2012+A2:2019 serves as core PCR

NPCR 026:2024 Part B for Furniture

**Program operator:**

EPD-Global

**Declaration number:**

NEPD-15357-18842

**Issue date:**

30.03.2026

**Valid to:**

30.03.2031

**EPD software:**

LCAAno EPD generator ID: 1479365

## General information

### Product

GROUP PD1 - Modular Systems of Plywood Cloakroom Furniture (standing, hanging, corner cabinets)

### Program operator:

EPD-Global  
Post Box 5250 Majorstuen, 0303 Oslo, Norway  
Phone: +47 977 22 020  
web: [www.epd-global.com](http://www.epd-global.com)

### Declaration number:

NEPD-15357-18842

### This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR  
NPCR 026:2024 Part B for Furniture

### Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD-Global shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

### Declared unit:

1 pcs GROUP PD1 - Modular Systems of Plywood Cloakroom Furniture (standing, hanging, corner cabinets)

### Declared unit (cradle to gate) with option:

A1-A3, A4, A5, C1, C2, C3, C4, D

### Functional unit:

Storage for clothing and shoes in educational facilities for 1 child in minimum version till 10 children in maximum.

### General information on verification of EPD from EPD tools:

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Verification of each EPD is made according to EPD-Global's guidelines for verification and approval requiring that tools are i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPD-Global, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Global's General Programme Instructions for further information on EPD tools

### Verification of EPD tool:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPD-Global's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

### Owner of the declaration:

Moje Bambino Sp. z o.o.  
Contact person: Ewelina Kafar  
Phone: 0 801 577 544  
e-mail: [e.kafar@mojebambino.pl](mailto:e.kafar@mojebambino.pl)

### Manufacturer:

Moje Bambino Sp. z o.o.  
Graniczna Street 46  
93-428 Łódź, Poland

### Place of production:

Moje Bambino - Kutno  
Zolnierska 1  
99-300 Kutno, Poland

### Management system:

ISO 9001 and ISO 14001

### Organisation no:

PL 725-193-34-48

### Issue date:

30.03.2026

### Valid to:

30.03.2031

### Year of study:

2025

### Comparability:

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

### Development and verification of EPD:

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD-Global.

Developer of EPD: Pedro Ferreira

Reviewer of company-specific input data and EPD: Børge Heggen Johansen, Energiråd AS

### Approved:



Håkon Hauan, CEO EPD-Global

## Product

### Product description:

Locker room systems are available in a variety of configurations, tailored to various spatial and functional needs – free-standing lockers that can be combined into multistation lines (with or without seating), wall-mounted lockers ("vägghängt") for easy cleaning, and corner lockers for optimal space management. They are available in two-, three-, and four-person variants, and each module is equipped with partitions, hooks, and/or shelves for storing outerwear, footwear, and personal items. These products are designed for educational institutions, for indoor use in dry rooms, typically in kindergarten and school locker rooms, entrance areas of public institutions, staff break areas, and changing rooms in sports and recreational facilities. Thanks to their modular design, the system can be configured into sets of any length, creating locker lines, and adapting the layout to the specific room conditions. This EPD refers to the middle option with weight of 29.7 kg (without packaging). The specific results for the minimum and maximum variants are included in page 11. The results for additional features like wheels and doors are also included in page 11.

### Product specification

| Materials        | kg     | %      | Recycled share in material (kg) | Recycled share in material (%) |
|------------------|--------|--------|---------------------------------|--------------------------------|
| Lacquer          | 1.37   | 4.60   | 0.04889                         | 3.58                           |
| Plastic fittings | 0.0486 | 0.1636 | 0.00                            | 0.00                           |
| Plywood          | 24.71  | 83.19  | 0.07801                         | 0.3158                         |
| Steel fittings   | 0.7298 | 2.46   | 0.4195                          | 57.49                          |
| Steel pipes      | 2.85   | 9.60   | 1.88                            | 65.99                          |
| Total            | 29.70  | 100.00 | 2.43                            |                                |

| Packaging             | kg      | %      | Recycled share in material (kg) | Recycled share in material (%) |
|-----------------------|---------|--------|---------------------------------|--------------------------------|
| Packaging - Cardboard | 4.40    | 99.00  | 0.2705                          | 0.2705                         |
| Packaging - Plastic   | 0.04449 | 1.00   | 0.001143                        | 0.001143                       |
| Total incl. packaging | 34.15   | 100.00 | 2.70                            |                                |

### Technical data:

| Dimensions | Minimum | Maximum  |
|------------|---------|----------|
| Width      | 28 cm   | 109 cm   |
| Depth      | 25 cm   | 48.2 cm  |
| Height     | 138 cm  | 162.3 cm |
| Weight     | 10.1 kg | 98 kg    |

### Market:

Europe.

### Reference service life, product

15 years.

### Reference service life, building

Not relevant.

## LCA: Calculation rules

### Declared unit:

1 pcs GROUP PD1 - Modular Systems of Plywood Cloakroom Furniture (standing, hanging, corner cabinets)

### Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

### Allocation:

The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

### Data quality:

Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

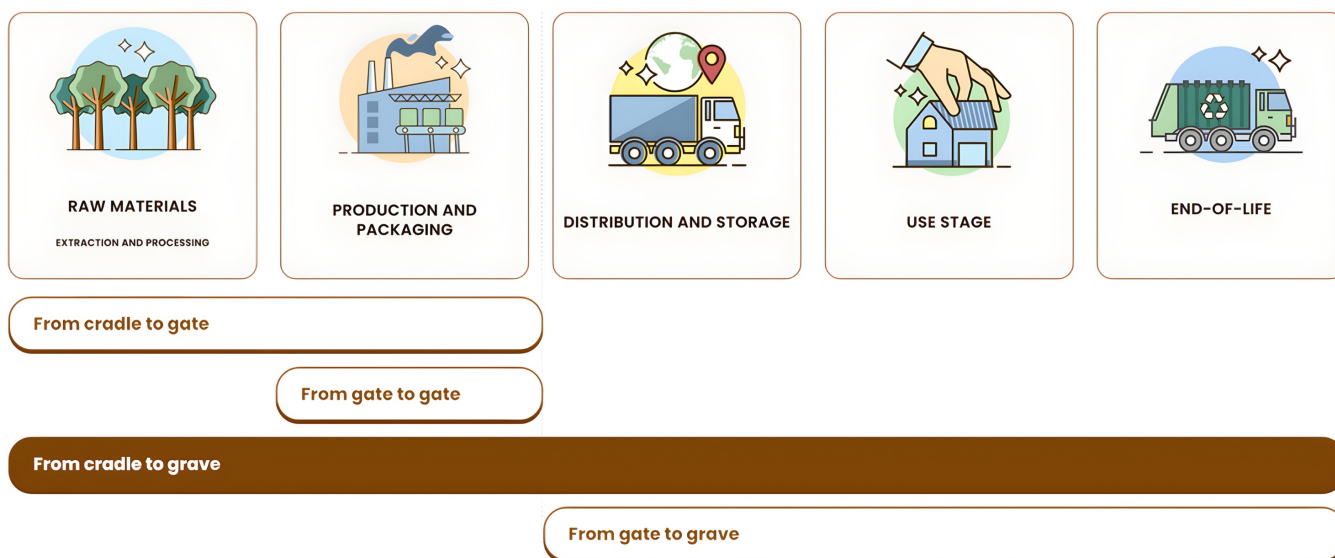
| Materials             | Source           | Data quality | Year |
|-----------------------|------------------|--------------|------|
| Lacquer               | ecoinvent 3.10.1 | Database     | 2023 |
| Packaging - Cardboard | ecoinvent 3.10.1 | Database     | 2023 |
| Packaging - Plastic   | ecoinvent 3.10.1 | Database     | 2023 |
| Plastic fittings      | ecoinvent 3.10.1 | Database     | 2023 |
| Plywood               | ecoinvent 3.10.1 | Database     | 2023 |
| Steel fittings        | ecoinvent 3.10.1 | Database     | 2023 |
| Steel pipes           | ecoinvent 3.10.1 | Database     | 2023 |

## System boundaries (X=included, MND=module not declared, MNR=module not relevant)

| Product stage |           |               | Construction installation stage |          | Use stage |             |        |             |               |                        |                       |  | End of life stage          |           |                  |          | Beyond the system boundaries        |
|---------------|-----------|---------------|---------------------------------|----------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|--|----------------------------|-----------|------------------|----------|-------------------------------------|
| Raw materials | Transport | Manufacturing | Transport                       | Assembly | Use       | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use |  | De-construction 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                               | X        | MND       | MND         | MND    | MND         | MND           | MND                    | MND                   |  | X                          | X         | X                | X        | X                                   |

### System boundary:

Based on the document, the scope of the analysis was established – from cradle-to grave, covering the entire product life cycle, consisting of the product phase, construction (installation), and end of life. Due to the nature of the products, the use phase was not included in the analysis. The product phase (A1-A3) includes processes related to the acquisition and transport of raw materials and production processes. The construction phase (A4 and A5) is related to the transport of the finished product to the distribution point and the end customer and the installation/assembly of the product. The end-of-life phase (C) includes processes related to the disposal of the product in two waste variants - storage and recycling.



### Additional technical information:

| Construction variants | Minimum                                                                                                                              | Maximum (Eli)                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Options               | 1) Cloakrooms standing, 1-4 seaters, integrated seat; 2) Wall-mounted cloakrooms, 1-4 seaters, integrated seat; 3) Corner cloakrooms | 1) Single-sided cloakroom standing; 2) Double-sided cloakroom with wheels and doors, 5 integrated seat |
| Main material         | Plywood 1.5 cm                                                                                                                       | Plywood 1.8 cm (internal walls) and 2.4 cm (external construction)                                     |
| Mounting elements     | Plastic, metal, wooden                                                                                                               | Plastic, metal, wooden                                                                                 |
| Seat material         | Plywood 1.5 cm                                                                                                                       | Plywood 1.8 cm (internal walls) and 2.4 cm (external construction)/ HPL board                          |
| Special features      | -                                                                                                                                    | Metal wheels                                                                                           |

## LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

The product is transported from Poland to Sweden by a combination of boat and truck, where it is subsequently stored and distributed.

An estimated 0.05 kWh of energy is used for power tools during product installation (Module A5). Waste treatment of packaging materials is also included in Module A5.

For deinstallation, it is assumed that 0.05 kWh of energy is required for power tools.

At end of life, the product is transported to waste treatment facilities within an 85 km range, based on regional statistics. It is assumed that 100% of the product is incinerated, with fly ash extraction.

The net benefits from the substitution of electricity and thermal energy are accounted for in Module D.

| Transport from production place to user (A4)                          | Capacity utilisation (incl. return) % | Distance (km) | Fuel/Energy Consumption | Unit  | Value (Liter/tonne) |
|-----------------------------------------------------------------------|---------------------------------------|---------------|-------------------------|-------|---------------------|
| Ship, Regional bulk ship, 15000 DWT (km)                              | 50.0 %                                | 231.90        | 0.007                   | l/tkm | 1.62                |
| Truck, 16-32 tonnes, EURO 5 (km)                                      | 38.8 %                                | 1074.00       | 0.045                   | l/tkm | 48.33               |
| Assembly (A5)                                                         | Unit                                  | Value         |                         |       |                     |
| Electricity, Sweden, medium voltage (kWh)                             | kWh                                   | 0.05          |                         |       |                     |
| Waste, packaging, cardboard and paper, to average treatment (kg)      | kg                                    | 4.40          |                         |       |                     |
| Waste, packaging, plastic, mixture, to average treatment (kg)         | kg                                    | 0.04449       |                         |       |                     |
| De-construction demolition (C1)                                       | Unit                                  | Value         |                         |       |                     |
| Electricity, Sweden, medium voltage (kWh)                             | kWh                                   | 0.05          |                         |       |                     |
| Transport to waste processing (C2)                                    | Capacity utilisation (incl. return) % | Distance (km) | Fuel/Energy Consumption | Unit  | Value (Liter/tonne) |
| Truck, 16-32 tonnes, EURO 5 (km)                                      | 38.8 %                                | 85.00         | 0.045                   | l/tkm | 3.83                |
| Waste processing (C3)                                                 | Unit                                  | Value         |                         |       |                     |
| Treatment of waste polyvinylchloride, municipal incineration FAE (kg) | kg                                    | 0.0486        |                         |       |                     |
| Treatment of scrap steel, municipal incineration FAE (kg)             | kg                                    | 3.58          |                         |       |                     |
| Treatment of waste wood, untreated, municipal incineration FAE (kg)   | kg                                    | 26.07         |                         |       |                     |
| Benefits and loads beyond the system boundaries (D)                   | Unit                                  | Value         |                         |       |                     |
| Substitution of thermal energy, district heating (MJ)                 | MJ                                    | 0.2655        |                         |       |                     |
| Substitution of electricity, Sweden (kWh)                             | kWh                                   | 1.36          |                         |       |                     |

## LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

| Environmental impact                                                              |                                  |                        |           |          |          |          |          |          |    |           |
|-----------------------------------------------------------------------------------|----------------------------------|------------------------|-----------|----------|----------|----------|----------|----------|----|-----------|
| Indicator                                                                         |                                  | Unit                   | A1-A3     | A4       | A5       | C1       | C2       | C3       | C4 | D         |
|  | GWP-total                        | kg CO <sub>2</sub> -eq | 2.03E+01  | 7.30E+00 | 6.09E+00 | 1.50E-03 | 5.62E-01 | 3.52E+01 | 0  | -5.28E-02 |
|  | GWP-fossil                       | kg CO <sub>2</sub> -eq | 5.81E+01  | 7.29E+00 | 1.45E-01 | 1.27E-03 | 5.61E-01 | 4.86E-01 | 0  | -4.64E-02 |
|  | GWP-biogenic                     | kg CO <sub>2</sub> -eq | -3.80E+01 | 5.45E-03 | 5.94E+00 | 4.85E-05 | 4.28E-04 | 3.47E+01 | 0  | -1.32E-03 |
|  | GWP-luluc                        | kg CO <sub>2</sub> -eq | 2.36E-01  | 2.64E-03 | 2.06E-04 | 1.78E-04 | 1.98E-04 | 8.42E-05 | 0  | -5.10E-03 |
|  | ODP                              | kg CFC11 -eq           | 1.22E-06  | 1.47E-07 | 1.69E-09 | 3.80E-11 | 1.16E-08 | 6.11E-09 | 0  | -1.12E-04 |
|  | AP                               | mol H+ -eq             | 3.80E-01  | 2.73E-02 | 3.28E-04 | 7.12E-06 | 1.76E-03 | 4.31E-03 | 0  | -5.62E-04 |
|  | EP-FreshWater                    | kg P -eq               | 2.37E-02  | 4.78E-04 | 6.45E-06 | 4.57E-07 | 3.72E-05 | 1.75E-04 | 0  | -3.99E-05 |
|  | EP-Marine                        | kg N -eq               | 9.19E-02  | 8.64E-03 | 1.40E-04 | 2.12E-06 | 5.92E-04 | 2.30E-03 | 0  | -8.52E-05 |
|  | EP-Terrestrial                   | mol N -eq              | 9.82E-01  | 9.43E-02 | 1.29E-03 | 1.95E-05 | 6.44E-03 | 2.22E-02 | 0  | -8.72E-04 |
|  | POCP                             | kg NMVOC -eq           | 3.16E-01  | 3.84E-02 | 4.73E-04 | 4.91E-06 | 2.75E-03 | 5.67E-03 | 0  | -2.33E-04 |
|  | ADP-minerals&metals <sup>1</sup> | kg Sb-eq               | 6.28E-04  | 2.34E-05 | 2.98E-07 | 2.95E-08 | 1.84E-06 | 9.10E-07 | 0  | -5.41E-06 |
|  | ADP-fossil <sup>1</sup>          | MJ                     | 9.26E+02  | 1.02E+02 | 1.30E+00 | 2.09E-01 | 7.88E+00 | 3.66E+00 | 0  | -6.03E+00 |
|  | WDP <sup>1</sup>                 | m <sup>3</sup>         | 5.29E+01  | 4.97E-01 | 4.32E-02 | 1.15E-02 | 3.87E-02 | 9.90E-01 | 0  | -3.32E-01 |

GWP-total = Global Warming Potential total; 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; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

"Reading example: 9.0 E-03 = 9.0\*10<sup>-3</sup> = 0.009"

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator

### Remarks to environmental impacts

The LCA results in the EPD are calculated using a specific methodological approach for accounting energy resources, see the additional requirements section for more information. In this EPD the following approach was used: Location-based approach.

The results above represent only the average variant. Project-specific EPDs for minimum, maximum, or customized configurations (e.g., with additional features such as wheels or doors) can be provided upon request.

The main EPD results do not include the impacts of optional features like wheels and doors. Therefore, the impacts shown for options on page 11 should be added to the main results.

### Additional environmental impact indicators

| Indicator                                                                                             | Unit              | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4 | D         |
|-------------------------------------------------------------------------------------------------------|-------------------|----------|----------|----------|----------|----------|----------|----|-----------|
|  PM                  | Disease incidence | 6.53E-06 | 5.50E-07 | 6.49E-09 | 1.23E-10 | 4.35E-08 | 5.37E-08 | 0  | -5.35E-09 |
|  IRP <sup>2</sup>    | kgBq U235 -eq     | 8.29E+00 | 1.28E-01 | 1.68E-02 | 1.53E-02 | 1.01E-02 | 7.57E-03 | 0  | -4.32E-01 |
|  ETP-fw <sup>1</sup> | CTUe              | 2.21E+02 | 1.33E+01 | 8.58E-01 | 1.12E-02 | 1.04E+00 | 9.62E+00 | 0  | -8.65E-01 |
|  HTP-c <sup>1</sup>  | CTUh              | 2.05E-07 | 0.00E+00 | 2.20E-11 | 1.00E-12 | 0.00E+00 | 6.93E-10 | 0  | -8.90E-11 |
|  HTP-nc <sup>1</sup> | CTUh              | 9.53E-07 | 7.34E-08 | 1.64E-09 | 3.70E-11 | 5.81E-09 | 4.24E-08 | 0  | -4.74E-09 |
|  SQP <sup>1</sup>    | dimensionless     | 5.11E+03 | 5.95E+01 | 6.76E-01 | 4.47E-02 | 4.69E+00 | 1.75E+00 | 0  | -1.56E+00 |

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)

"Reading example: 9.0 E-03 =  $9.0 \times 10^{-3}$  = 0.009"

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator
2. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

| Resource use                                                                      |       |                |          |          |           |          |          |           |    |           |
|-----------------------------------------------------------------------------------|-------|----------------|----------|----------|-----------|----------|----------|-----------|----|-----------|
| Indicator                                                                         |       | Unit           | A1-A3    | A4       | A5        | C1       | C2       | C3        | C4 | D         |
|  | PERE  | MJ             | 7.43E+02 | 1.74E+00 | 1.65E-01  | 1.43E-01 | 1.36E-01 | 1.41E-01  | 0  | -4.24E+00 |
|  | PERM  | MJ             | 3.32E+02 | 0.00E+00 | -4.83E+01 | 0.00E+00 | 0.00E+00 | -2.83E+02 | 0  | 0.00E+00  |
|  | PERT  | MJ             | 1.08E+03 | 1.74E+00 | -4.81E+01 | 1.43E-01 | 1.36E-01 | -2.83E+02 | 0  | -4.24E+00 |
|  | PENRE | MJ             | 7.87E+02 | 1.02E+02 | 1.30E+00  | 2.09E-01 | 7.88E+00 | 3.66E+00  | 0  | -6.03E+00 |
|  | PENRM | MJ             | 1.02E+02 | 0.00E+00 | -4.63E+00 | 0.00E+00 | 0.00E+00 | -9.66E+01 | 0  | 0.00E+00  |
|  | PENRT | MJ             | 8.89E+02 | 1.02E+02 | -3.33E+00 | 2.09E-01 | 7.88E+00 | -9.29E+01 | 0  | -6.03E+00 |
|  | SM    | kg             | 2.77E+00 | 0.00E+00 | 0.00E+00  | 0.00E+00 | 0.00E+00 | 0.00E+00  | 0  | 0.00E+00  |
|  | RSF   | MJ             | 1.06E+00 | 5.79E-04 | 8.09E-06  | 8.01E-08 | 4.56E-05 | 5.75E-05  | 0  | -1.32E-05 |
|  | NRSF  | MJ             | 0.00E+00 | 0.00E+00 | 0.00E+00  | 0.00E+00 | 0.00E+00 | 0.00E+00  | 0  | -8.02E-03 |
|  | FW    | m <sup>3</sup> | 1.36E+00 | 1.36E-02 | 8.40E-04  | 2.73E-04 | 1.06E-03 | 8.99E-03  | 0  | -7.90E-03 |

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = 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; FW = Net use of fresh water

"Reading example: 9.0 E-03 = 9.0\*10<sup>-3</sup> = 0.009"

| End of life - Waste                                                               |      |       |          |          |          |          |          |          |   |           |
|-----------------------------------------------------------------------------------|------|-------|----------|----------|----------|----------|----------|----------|---|-----------|
| Indicator                                                                         | Unit | A1-A3 | A4       | A5       | C1       | C2       | C3       | C4       | D |           |
|  | HWD  | kg    | 1.87E+01 | 1.47E-01 | 2.39E-03 | 1.49E-04 | 1.13E-02 | 0.00E+00 | 0 | -6.14E-03 |
|  | NHWD | kg    | 1.57E+02 | 3.07E+00 | 4.01E-01 | 2.93E-03 | 2.39E-01 | 2.97E+01 | 0 | -2.04E-01 |
|  | RWD  | kg    | 8.36E-01 | 3.19E-05 | 3.58E-06 | 3.26E-06 | 2.50E-06 | 0.00E+00 | 0 | -9.22E-05 |

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9.0 E-03 =  $9.0 \times 10^{-3}$  = 0.009"

| End of life - Output flow                                                         |      |       |          |          |          |          |          |          |   |          |
|-----------------------------------------------------------------------------------|------|-------|----------|----------|----------|----------|----------|----------|---|----------|
| Indicator                                                                         | Unit | A1-A3 | A4       | A5       | C1       | C2       | C3       | C4       | D |          |
|  | CRU  | kg    | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0 | 0.00E+00 |
|  | MFR  | kg    | 3.05E+00 | 0.00E+00 | 4.11E+00 | 0.00E+00 | 0.00E+00 | 1.69E+00 | 0 | 0.00E+00 |
|  | MER  | kg    | 4.52E-08 | 0.00E+00 | 5.57E-10 | 0.00E+00 | 0.00E+00 | 4.86E-02 | 0 | 0.00E+00 |
|  | EEE  | MJ    | 5.77E-04 | 0.00E+00 | 6.31E-05 | 0.00E+00 | 0.00E+00 | 1.36E+00 | 0 | 0.00E+00 |
|  | EET  | MJ    | 1.61E-03 | 0.00E+00 | 6.97E-05 | 0.00E+00 | 0.00E+00 | 2.66E-01 | 0 | 0.00E+00 |

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported energy electrical; EET = Exported energy thermal

"Reading example: 9.0 E-03 =  $9.0 \times 10^{-3}$  = 0.009"

| Biogenic Carbon Content                           |      |                     |
|---------------------------------------------------|------|---------------------|
| Indicator                                         | Unit | At the factory gate |
| Biogenic carbon content in product                | kg C | 9.47E+00            |
| Biogenic carbon content in accompanying packaging | kg C | 1.62E+00            |

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO<sub>2</sub>

## Additional requirements

### Greenhouse gas emissions from the use of electricity in the manufacturing phase

The table below presents GWP<sub>total</sub> values for energy resources used in the manufacturing phase (A3), calculated with both the location-based and market-based approach. This information is provided for transparency, allowing EPD users to understand the impact of these methodological choices. When applicable, information about GoOs or biogas certificate like provider, validity date and energy source can be seen in the table below. In this EPD, the following methodology was used in the main results: Location-based approach.

| Electricity mix                                | Source           | Amount   | Unit | GWP <sub>total</sub> [kg CO <sub>2</sub> /Unit] | SUM [kg CO <sub>2</sub> ] |
|------------------------------------------------|------------------|----------|------|-------------------------------------------------|---------------------------|
| <b>Location-based approach.</b>                |                  |          |      |                                                 |                           |
| Electricity, Poland, medium voltage (kWh)      | ecoinvent 3.10.1 | 2.36E+00 | kWh  | 9.10E-01                                        | 2.15E+00                  |
| <b>Market-based approach.</b>                  |                  |          |      |                                                 |                           |
| Electricity, Poland, low voltage, residual mix | ecoinvent 3.10.1 | 2.36E+00 | kWh  | 1.10E+00                                        | 2.59E+00                  |

### Dangerous substances

The product contains no substances given by the REACH Candidate list.

### Indoor environment

Not relevant.

## Additional Environmental Information

### Key Environmental Indicators

| Key environmental performance indicators | Unit                   | Product stage | Construction stage |      | End-of-life |      |       |      | Net benefits and loads from reuse, recovery, and/or recycling |
|------------------------------------------|------------------------|---------------|--------------------|------|-------------|------|-------|------|---------------------------------------------------------------|
|                                          |                        | A1-A3         | A4                 | A5   | C1          | C2   | C3    | C4   | D                                                             |
| GWP <sub>total</sub>                     | kg CO <sub>2</sub> -eq | 20.33         | 7.30               | 6.09 | 0.00        | 0.56 | 35.16 | 0.00 | -0.05                                                         |
| Total energy consumption                 | MJ                     | 1531.28       | 103.74             | 1.47 | 0.35        | 8.02 | 3.80  | 0.00 | -10.28                                                        |
| Share of recycled materials              | %                      | 7.39          |                    |      |             |      |       |      |                                                               |

### Additional environmental impact indicators required in NPCR Part A for construction products

| Indicator | Unit                   | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4 | D         |
|-----------|------------------------|----------|----------|----------|----------|----------|----------|----|-----------|
| GWPIOBC   | kg CO <sub>2</sub> -eq | 5.85E+01 | 7.29E+00 | 1.45E-01 | 1.48E-03 | 5.62E-01 | 4.86E-01 | 0  | -5.23E-02 |

GWP-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.

### Variants and Options

#### Key environmental indicators (A1-A3) for variants of this EPD

| Variants                    | Weight (kg) | GWP <sub>total</sub> (kg CO <sub>2</sub> -eq) | Total energy consumption (MJ) | Amount of recycled materials (%) |
|-----------------------------|-------------|-----------------------------------------------|-------------------------------|----------------------------------|
| GROUP PD1 - Minimum variant | 11.67       | 4.82                                          | 489.56                        | 6.28                             |
| GROUP PD1 - Maximum variant | 119.11      | 57.23                                         | 5057.18                       | 5.17                             |

#### Key environmental indicators (A1-A3) for options for this EPD

| Options                                                 | Weight (kg) | GWP <sub>total</sub> (kg CO <sub>2</sub> -eq) | Total energy consumption (MJ) | Amount of recycled materials (%) |
|---------------------------------------------------------|-------------|-----------------------------------------------|-------------------------------|----------------------------------|
| Option: SMALL DOORS (different color options) – 0,75 KG | 0.75        | 0.18                                          | 13.17                         | 0.00                             |
| Option: SMALL DOORS - PLYWOOD – 0,66 KG                 | 0.75        | -0.27                                         | 23.01                         | 0.31                             |
| Option: BIG DOORS (different color options) – 2,82 KG   | 0.75        | 0.27                                          | 44.29                         | 0.00                             |
| Option: BIG DOORS - PLYWOOD – 2,47 KG                   | 0.75        | -1.41                                         | 81.84                         | 0.31                             |
| Option: METAL SHOE SHELF – 0,66 kg                      | 0.75        | 2.70                                          | 35.97                         | 0.00                             |
| Option: ADDITIONAL SHOE SHELF (upper) – 0,64 kg         | 0.75        | 2.43                                          | 38.34                         | 15.69                            |
| Option: ADDITIONAL SHOE SHELF (lower) – 1,63 kg         | 0.75        | 4.00                                          | 89.25                         | 9.37                             |
| Option: CLOAKROOM BACK SIDE (plywood board) – 0,96 kg   | 0.75        | -0.54                                         | 32.50                         | 0.32                             |
| Option: Wheel with brake - 75 mm - 0,19 kg              | 0.75        | 0.74                                          | 11.22                         | 0.00                             |

## Bibliography

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.  
 ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.  
 EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.  
 ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.  
 ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.  
 Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21  
 Ruttenborg et al., (2025) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 08.25  
 NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge.  
 NPCR 026 Part B for Furniture. Ver. 3.0 October 2024, EPD-Norge.

|                                                                                                            |                                                                                                         |                                                                                           |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>Powered by EPD-Norway | <b>Program operator and publisher</b><br>EPD-Global<br>Postboks 5250 Majorstuen, 0303 Oslo, Norway      | Phone: +47 977 22 020<br>e-mail: post@epd-norge.no<br>web: www.epd-global.com             |
|                           | <b>Owner of the declaration:</b><br>Moje Bambino Sp. z o.o.<br>Graniczna Street 46, 93-428 Łódź, Poland | Phone: 0 801 577 544<br>e-mail: e.kafar@mojebambino.pl<br>web: https://en.mojebambino.pl/ |
|                           | <b>Author of the Life Cycle Assessment</b><br>LCA.no AS<br>Dokka 6A, 1671 Kråkerøy, Norway              | Phone: +47 916 50 916<br>e-mail: post@lca.no<br>web: www.lca.no                           |
|                           | <b>Developer of EPD generator</b><br>LCA.no AS<br>Dokka 6A, 1671 Kråkerøy, Norway                       | Phone: +47 916 50 916<br>e-mail: post@lca.no<br>web: www.lca.no                           |
|                           | ECO Platform<br>ECO Portal                                                                              | web: www.eco-platform.org<br>web: ECO Portal                                              |