

Environmental Product Declaration

In accordance with EN 15804+A2 & ISO 14025 / ISO 21930



Storage furniture - Glide

EPD HUB, HUB-1842

Publishing date 1 November 2024, last updated on 1 November 2024, valid until 1 November 2029.

GENERAL INFORMATION

MANUFACTURER

| | |
|------------------------|---|
| Manufacturer | Bisley |
| Address | Bisley, Caswell Way, Reevesland Industrial Estate, Newport, Gwent, NP19 4PW, United Kingdom |
| Contact details | info@bisley.com |
| Website | www.bisley.com |

EPD STANDARDS, SCOPE AND VERIFICATION

| | |
|---------------------------|--|
| Program operator | EPD Hub, hub@epdhub.com |
| Reference standard | EN 15804+A2:2019 and ISO 14025 |
| PCR | EPD Hub Core PCR version 1.1, 5 Dec 2023 |
| Sector | Manufactured product |
| Category of EPD | Third-party verified EPD |
| Parent EPD number | n/a |
| Scope of the EPD | Cradle to Gate with Options, A4-B7 and Modules C1-C4, D (Cradle to Grave) |
| EPD author | Nabat Naeimi (Blue Marble Environmental Partnerships Ltd.) |
| EPD verification | Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal verification <input checked="" type="checkbox"/> External verification |
| EPD verifier | Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited |

The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

| | |
|--|-------------------------|
| Product names | Glide |
| Additional labels | - |
| Product reference | - |
| Place of production | Newport, Wales |
| Period for data | 31/07/2022 - 31/07/2023 |
| Averaging in EPD | No averaging |
| Variation in GWP-fossil for A1-A3 | n/a |

ENVIRONMENTAL DATA SUMMARY

| | |
|--|--------|
| Declared unit | 1 unit |
| Declared unit mass | 120 kg |
| GWP-fossil, A1-A3 (kgCO₂e) | 294 |
| GWP-total, A1-A3 (kgCO₂e) | 292 |
| Secondary material, inputs (%) | 61.8 |
| Secondary material, outputs (%) | 84.7 |
| Total energy use, A1-A3 (kWh) | 1070 |
| Net freshwater use, A1-A3 (m³) | 1.15 |

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Since launching the iconic MultiDrawer in 1958, Bisley has pioneered innovative storage that meets the challenges of the time and stays relevant, decade after decade. When it comes to creating working environments, Bisley is the name people in over 50 countries turn to for quality they can trust.

Through continued production investment and acquisition, Bisley can combine the strength and durability of steel with the pleasing aesthetic qualities of wood to provide a unique choice of solutions for an extensive range of markets.

PRODUCT DESCRIPTION

This EPD applies to the Glide range. Glide, storage with style. This innovative unit combines clean, unbroken lines with thoughtful details that ensure the sliding doors really do glide. With door options that offer acoustic damping, this is an ideal, space-saving system for open plan work environments.

Further information can be found at [Glide • Bisley](#)

PRODUCT RAW MATERIAL MAIN COMPOSITION

| Raw material category | Amount, mass- % | Material origin |
|------------------------------|------------------------|------------------------|
| Metals | 100 | UK and South Korea |
| Minerals | 0 | - |
| Fossil materials | 0 | - |
| Bio-based materials | 0 | - |

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate:

| | |
|---|-----|
| Biogenic carbon content in product, kg C | 0 |
| Biogenic carbon content in packaging, kg C | 0.4 |

FUNCTIONAL UNIT AND SERVICE LIFE

| | |
|-------------------------------|--|
| Declared unit | 1 unit |
| Mass per declared unit | 120 kg |
| Functional unit | 1 item of storage furniture in use for 15 years. |
| Reference service life | 15 years |

SUBSTANCES, REACH - VERY HIGH CONCERN VP

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

| Product stage | | | Assembly stage | | Use stage | | | | | | | End of life stage | | | | Beyond the system boundaries | | |
|---------------|-----------|---------------|----------------|----------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|-------------------|-----------|------------------|----------|------------------------------|----------|-----------|
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D | | |
| x | x | x | x | x | MNR | x | MNR | MNR | MNR | MNR | MNR | MNR | x | x | x | x | x | |
| Raw materials | Transport | Manufacturing | Transport | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | Deconstr./demol. | Transport | Waste processing | Disposal | Reuse | Recovery | Recycling |

Modules not declared = MND. Modules not relevant = MNR.

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage covers the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses which occur during the manufacturing processes, as well as losses during electricity transmission.

Bisley operates a factory at Newport in Wales, UK, where its steel-based products are manufactured. Steel in sheet or coil form is cut to size, and formed using standard steelworking techniques of bending, pressing, stamping, welding to produce the main parts of Bisley products. Production requires medium voltage electricity and heat production (A3). After the main parts are finished, they are combined with small parts such as handles, locks, and cabinet feet in final product assembly.

Each unit is wrapped in plastic film (LDPE) for protection, with cardboard reinforcement at key points that are particularly susceptible to damage (e.g. corners). This packaging remains in place until the product reaches the point of use.

Packed products are palletised for transport to customers. Wastes are segregated by Bisley and many streams consigned to recycling. Most pallets used have been returned to Bisley from its customers or subsidiaries.

Manufacturing waste is 10% of Steel, which is assumed to be recycled at a rate of 85% (World Steel Association, 2021). Transport to waste treatment is via >32 tonne lorry at an assumed distance of 50km.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4), covers fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

Bisley products are sent to Bisley's own distribution subsidiaries, or directly to large customers and major projects, by road or by road and sea. Transportation by road has been modelled at 560km via >32 tonne lorry and transport by sea at 890km via container ship.

Installation is a manual process and no energy and material are required. No loss occurs during installation. Packaging waste leaves the system at the point of installation, with pallets / timber recycled at a rate of 44.1% (DEFRA, 2022). 70.6% of cardboard for packaging is recycled (UK Statistics on Waste). All the packaging film is assumed to be sent to landfill as a conservative assumption. It is assumed that waste treatment occurs no more than 50km from the installation site and transport is via >32 tonne lorry.

PRODUCT USE AND MAINTENANCE (B1-B7)

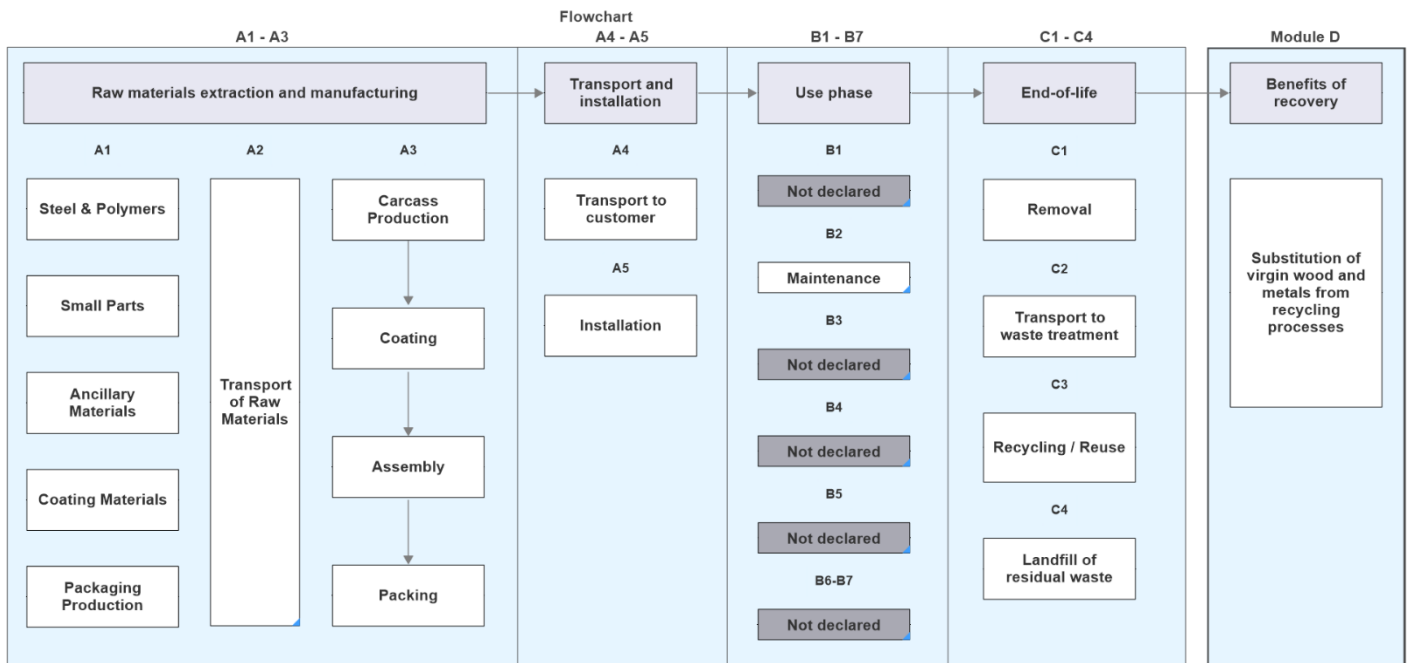
The reference service life for the product range is 15 years. They require no energy or water inputs to function. Under normal use conditions, no replacement parts or maintenance are required during the reference service life. Bisley guidance to customers is that products should be cleaned periodically with mild detergent and warm water. Annual cleaning over the reference period has been assumed.

PRODUCT END OF LIFE (C1-C4, D)

When the user has no further use for Bisley furniture items, they may be reused by others, recycled, or disposed of as non-hazardous waste. Reuse is recommended, but if no route for reuse is available, the product should be recycled or sent for recovery with other wood-based goods.

Steel components are assumed to be recycled at a rate of 85% (World Steel Association, 2021). No energy is consumed for demolition (C1). It is assumed that waste treatment occurs no more than 50km from the site and transport is via >32 tonne lorry. Benefits from the recycling of metals as well as loads from the recycling process have been accounted for (D).

MANUFACTURING PROCESS



PRODUCT PHOTO



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated as mandatory in the reference standard and the applied 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 for, are included in the calculation. There is no neglected unit process of more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

| Data type | Allocation |
|--------------------------------|-----------------------------|
| Raw materials | No allocation |
| Packaging materials | Allocated by mass or volume |
| Ancillary materials | Not applicable |
| Manufacturing energy and waste | Allocated by mass or volume |

AVERAGES AND VARIABILITY

| | |
|-----------------------------------|----------------|
| Type of average | No averaging |
| Averaging method | Not applicable |
| Variation in GWP-fossil for A1-A3 | n/a |

Due to averaging rules provided in the EPD Hub GPI, the results of the range (small, medium, large) sit outside of the permissible average (+/-50%). This EPD has applied a conservative approach - the product with the highest GWP (2 sliding-door unit – large size) is represented in this EPD and there is no averaging. GWP results for small and medium size units are reported in a separate table in the annex.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.



ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-------------------------------------|------------------------|----------|----------|-----------|-----------|----------|----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| GWP – total ¹⁾ | kg CO ₂ e | 2.63E+02 | 6.45E-03 | 2.87E+01 | 2.92E+02 | 1.25E+01 | 2.46E+00 | MND | 2.77E-01 | MND | MND | MND | MND | MND | MNR | 1.01E+00 | 5.80E+00 | 9.35E-02 | 2.28E+01 |
| GWP – fossil | kg CO ₂ e | 2.63E+02 | 6.45E-03 | 3.06E+01 | 2.94E+02 | 1.25E+01 | 5.49E-01 | MND | 2.60E-01 | MND | MND | MND | MND | MND | MNR | 1.01E+00 | 5.80E+00 | 9.34E-02 | 2.28E+01 |
| GWP – biogenic | kg CO ₂ e | 0.00E+00 | 0.00E+00 | -1.91E+00 | -1.91E+00 | 0.00E+00 | 1.91E+00 | MND | 6.94E-18 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| GWP – LULUC | kg CO ₂ e | 4.77E-01 | 2.58E-06 | 1.53E-02 | 4.93E-01 | 5.55E-03 | 8.36E-05 | MND | 1.77E-02 | MND | MND | MND | MND | MND | MNR | 4.23E-04 | 5.98E-04 | 8.82E-05 | 2.95E-02 |
| Ozone depletion pot. | kg CFC _{-11e} | 1.41E-05 | 1.43E-09 | 2.90E-06 | 1.70E-05 | 2.68E-06 | 5.98E-09 | MND | 3.40E-08 | MND | MND | MND | MND | MND | MNR | 2.18E-07 | 1.24E-06 | 3.78E-08 | 1.23E-06 |
| Acidification potential | mol H ⁺ e | 1.18E+00 | 2.22E-05 | 6.51E-02 | 1.25E+00 | 6.66E-02 | 2.77E-04 | MND | 1.80E-03 | MND | MND | MND | MND | MND | MNR | 2.98E-03 | 6.02E-02 | 8.78E-04 | 1.01E-01 |
| EP-freshwater ²⁾ | kg Pe | 1.44E-02 | 5.40E-08 | 2.42E-04 | 1.46E-02 | 1.01E-04 | 7.68E-07 | MND | 3.00E-05 | MND | MND | MND | MND | MND | MNR | 8.57E-06 | 2.01E-05 | 9.78E-07 | 1.33E-03 |
| EP-marine | kg Ne | 2.75E-01 | 5.47E-06 | 1.53E-02 | 2.90E-01 | 1.48E-02 | 2.36E-04 | MND | 8.32E-04 | MND | MND | MND | MND | MND | MNR | 5.98E-04 | 2.66E-02 | 3.04E-04 | 1.78E-02 |
| EP-terrestrial | mol Ne | 2.51E+00 | 6.05E-05 | 1.65E-01 | 2.68E+00 | 1.65E-01 | 1.07E-03 | MND | 3.88E-03 | MND | MND | MND | MND | MND | MNR | 6.64E-03 | 2.92E-01 | 3.34E-03 | 2.05E-01 |
| POCP (“smog”) ³⁾ | kg NMVOCe | 1.05E+00 | 2.08E-05 | 5.52E-02 | 1.11E+00 | 5.14E-02 | 3.36E-04 | MND | 9.59E-04 | MND | MND | MND | MND | MND | MNR | 2.49E-03 | 8.03E-02 | 9.72E-04 | 5.84E-02 |
| ADP-minerals & metals ⁴⁾ | kg Sbe | 2.27E-03 | 1.98E-08 | 7.73E-05 | 2.34E-03 | 4.20E-05 | 1.73E-07 | MND | 4.73E-06 | MND | MND | MND | MND | MND | MNR | 3.57E-06 | 3.77E-06 | 2.15E-07 | 6.81E-05 |
| ADP-fossil resources | MJ | 2.92E+03 | 9.48E-02 | 5.55E+02 | 3.48E+03 | 1.79E+02 | 5.34E-01 | MND | 4.01E+00 | MND | MND | MND | MND | MND | MNR | 1.47E+01 | 7.80E+01 | 2.56E+00 | 3.22E+02 |
| Water use ⁵⁾ | m ³ e depr. | 1.53E+02 | 4.21E-04 | 3.99E+00 | 1.57E+02 | 7.73E-01 | 2.11E-02 | MND | 4.31E-01 | MND | MND | MND | MND | MND | MNR | 6.48E-02 | 2.15E-01 | 8.12E-03 | 1.33E+01 |

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO4e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|----------------------------------|---------------|----------|----------|----------|----------|----------|----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| Particulate matter | Incidence | 2.18E-05 | 6.03E-10 | 3.57E-07 | 2.21E-05 | 9.46E-07 | 3.64E-09 | MND | 1.93E-08 | MND | MND | MND | MND | MND | MNR | 8.07E-08 | 1.61E-06 | 1.77E-08 | 2.17E-06 |
| Ionizing radiation ⁶⁾ | kBq 11235e | 2.05E+01 | 4.47E-04 | 5.64E+00 | 2.61E+01 | 8.37E-01 | 3.19E-03 | MND | 1.97E-02 | MND | MND | MND | MND | MND | MNR | 6.86E-02 | 3.61E-01 | 1.16E-02 | 6.45E+00 |
| Ecotoxicity (freshwater) | CTUe | 8.42E+03 | 8.62E-02 | 3.05E+02 | 8.73E+03 | 1.61E+02 | 1.10E+00 | MND | 1.63E+01 | MND | MND | MND | MND | MND | MNR | 1.34E+01 | 4.88E+01 | 1.67E+00 | 4.27E+02 |
| Human toxicity, cancer | CTUh | 2.61E-06 | 2.31E-12 | 6.19E-09 | 2.62E-06 | 4.90E-09 | 4.83E-11 | MND | 2.97E-10 | MND | MND | MND | MND | MND | MNR | 3.78E-10 | 1.83E-09 | 4.18E-11 | 1.19E-06 |
| Human tox. non- cancer | CTUh | 1.19E-05 | 8.10E-11 | 1.44E-07 | 1.20E-05 | 1.44E-07 | 2.23E-09 | MND | 8.55E-09 | MND | MND | MND | MND | MND | MNR | 1.22E-08 | 3.46E-08 | 1.09E-09 | 5.89E-07 |
| SQP ⁷⁾ | - | 8.39E+02 | 8.34E-02 | 1.98E+02 | 1.04E+03 | 1.18E+02 | 5.47E-01 | MND | 3.45E+00 | MND | MND | MND | MND | MND | MNR | 1.03E+01 | 1.11E+01 | 5.47E+00 | 6.74E+01 |

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|---------------------------------------|----------------|----------|----------|----------|----------|----------|-----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| Renew. PER as energy ⁸⁾ | MJ | 3.43E+02 | 1.10E-03 | 4.17E+01 | 3.85E+02 | 2.06E+00 | 1.98E-02 | MND | 9.59E-01 | MND | MND | MND | MND | MND | MNR | 1.74E-01 | 4.77E-01 | 2.22E-02 | 4.42E+01 |
| Renew. PER as material | MJ | 0.00E+00 | 0.00E+00 | 1.68E+01 | 1.68E+01 | 0.00E+00 | -1.68E+01 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Total use of renew. PER | MJ | 3.43E+02 | 1.10E-03 | 5.85E+01 | 4.02E+02 | 2.06E+00 | -1.67E+01 | MND | 9.59E-01 | MND | MND | MND | MND | MND | MNR | 1.74E-01 | 4.77E-01 | 2.22E-02 | 4.42E+01 |
| Non-re. PER as energy | MJ | 2.92E+03 | 9.48E-02 | 5.33E+02 | 3.46E+03 | 1.79E+02 | 5.34E-01 | MND | 3.54E+00 | MND | MND | MND | MND | MND | MNR | 1.47E+01 | 7.80E+01 | 2.56E+00 | 3.21E+02 |
| Non-re. PER as material | MJ | 0.00E+00 | 0.00E+00 | 2.20E+01 | 2.20E+01 | 0.00E+00 | -2.20E+01 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Total use of non-re. PER | MJ | 2.92E+03 | 9.48E-02 | 5.55E+02 | 3.48E+03 | 1.79E+02 | -2.14E+01 | MND | 3.54E+00 | MND | MND | MND | MND | MND | MNR | 1.47E+01 | 7.80E+01 | 2.56E+00 | 3.21E+02 |
| Secondary materials | kg | 7.41E+01 | 2.95E-05 | 5.82E-01 | 7.47E+01 | 6.14E-02 | 3.73E-04 | MND | 1.51E-03 | MND | MND | MND | MND | MND | MNR | 4.89E-03 | 3.08E-02 | 5.38E-04 | 5.01E+01 |
| Renew. secondary fuels | MJ | 2.55E-02 | 3.53E-07 | 4.01E-01 | 4.26E-01 | 7.36E-04 | 4.09E-06 | MND | 3.47E-05 | MND | MND | MND | MND | MND | MNR | 6.33E-05 | 1.28E-04 | 1.41E-05 | 4.31E-03 |
| Non-ren. secondary fuels | MJ | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Use of net fresh water | m ³ | 1.05E+00 | 1.17E-05 | 9.58E-02 | 1.15E+00 | 2.06E-02 | 2.14E-04 | MND | 1.01E-02 | MND | MND | MND | MND | MND | MNR | 1.75E-03 | 4.87E-03 | 2.80E-03 | 4.19E-01 |

8) PER = Primary energy resources.

END OF LIFE – WASTE

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|---------------------|------|----------|----------|----------|----------|----------|----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| Hazardous waste | kg | 9.48E+01 | 1.33E-04 | 5.88E-01 | 9.54E+01 | 2.58E-01 | 1.30E-03 | MND | 2.25E-02 | MND | MND | MND | MND | MND | MNR | 2.12E-02 | 1.06E-01 | 0.00E+00 | 1.76E+01 |
| Non-hazardous waste | kg | 4.91E+02 | 2.14E-03 | 1.08E+01 | 5.02E+02 | 3.99E+00 | 7.29E-01 | MND | 3.84E-01 | MND | MND | MND | MND | MND | MNR | 3.38E-01 | 7.92E-01 | 1.77E+01 | 5.97E+01 |
| Radioactive waste | kg | 8.10E-03 | 6.32E-07 | 1.47E-03 | 9.57E-03 | 1.20E-03 | 2.06E-06 | MND | 8.45E-06 | MND | MND | MND | MND | MND | MNR | 9.75E-05 | 5.49E-04 | 0.00E+00 | 1.93E-03 |

END OF LIFE – OUTPUT FLOWS

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|--------------------------|------|----------|----------|----------|----------|----------|----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| Components for re-use | kg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Materials for recycling | kg | 0.00E+00 | 0.00E+00 | 1.00E+01 | 1.00E+01 | 0.00E+00 | 4.75E-01 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 1.02E+02 | 0.00E+00 | 0.00E+00 |
| Materials for energy rec | kg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Exported energy | MJ | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | MND | 0.00E+00 | MND | MND | MND | MND | MND | MNR | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

ENVIRONMENTAL IMPACT – EN15804+A1, CML/IS) 2193

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|---------------------|------------------------------------|----------|----------|----------|----------|----------|----------|-----|----------|-----|-----|-----|-----|-----|-----|----------|----------|----------|----------|
| Global Warming Pot | kg CO ₂ e | 2.54E+02 | 6.38E-03 | 2.98E+01 | 2.84E+02 | 1.24E+01 | 6.86E-01 | MND | 2.55E-01 | MND | MND | MND | MND | MND | MNR | 1.00E+00 | 5.74E+00 | 9.15E-02 | 2.24E+01 |
| Ozone depletion Pot | kg CFC-11e | 1.32E-05 | 1.13E-09 | 2.48E-06 | 1.57E-05 | 2.12E-06 | 4.81E-09 | MND | 3.18E-08 | MND | MND | MND | MND | MND | MNR | 1.73E-07 | 9.80E-07 | 2.99E-08 | 1.04E-06 |
| Acidification | kg SO ₂ e | 9.71E-01 | 1.78E-05 | 5.22E-02 | 1.02E+00 | 5.40E-02 | 2.08E-04 | MND | 1.42E-03 | MND | MND | MND | MND | MND | MNR | 2.45E-03 | 4.29E-02 | 6.63E-04 | 8.29E-02 |
| Eutrophication | kg PO ₄ ³ e | 5.16E-01 | 3.98E-06 | 1.32E-02 | 5.30E-01 | 9.04E-03 | 1.40E-03 | MND | 1.40E-03 | MND | MND | MND | MND | MND | MNR | 5.39E-04 | 1.00E-02 | 1.43E-04 | 5.52E-02 |
| POCP (“smog”) | kg C ₂ H ₄ e | 1.04E-01 | 7.94E-07 | 4.20E-03 | 1.08E-01 | 2.05E-03 | 3.72E-05 | MND | 9.25E-05 | MND | MND | MND | MND | MND | MNR | 1.21E-04 | 9.44E-04 | 2.78E-05 | 4.41E-03 |
| ADP-elements | kg Sbe | 2.24E-03 | 1.93E-08 | 7.67E-05 | 2.31E-03 | 4.11E-05 | 1.68E-07 | MND | 4.32E-06 | MND | MND | MND | MND | MND | MNR | 3.49E-06 | 3.72E-06 | 2.11E-07 | 6.27E-05 |
| ADP-fossil | MJ | 2.92E+03 | 9.48E-02 | 5.55E+02 | 3.48E+03 | 1.79E+02 | 5.34E-01 | MND | 4.01E+00 | MND | MND | MND | MND | MND | MNR | 1.47E+01 | 7.80E+01 | 2.56E+00 | 3.21E+02 |

SCALING TABLES FOR DIFFERENT PRODUCT DIMENSIONS

This table refers to non-linearly scaling options within the range. Reported A1-A3 GWP was calculated separately.

| Product Data | | | | GWP Impacts (A1-A3) | |
|--------------|-------------|---------------------------|----------------|----------------------------|---------------------------|
| Product | Size | Dimensions (H x W x D) mm | Mass (approx.) | GWP-fossil, A1-A3 (kgCO2e) | GWP-total, A1-A3 (kgCO2e) |
| Glide | Small Unit | 743 X 800 470 | 31kg | 82.08 | 70.01 |
| | Medium Unit | 1149 x 1200 x 470 | 52kg | 177.52 | 176.19 |
| | Large Unit | 1529 x 2400 x 470 | 120kg | 293.56 | 292.14 |

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025, and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? [Read more online](#)

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited
01.11.2024

