

## Environmental Product Declaration

Specific EPD

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021

# NPCI FLOOR COVERING- AND STAIRNOSE ALUMINIUM PROFILES

NORDISK PROFIL CONSULT & IMPORT AS (NPCI AS)



### Programme

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

### Programme operator

EPD Square, s.r.o.

### EPD Registration number

SQ 00-068

### Publication date

07.08.2026

### Valid until

06.08.2031

## General information

**Product**

NPCI FLOOR COVERING- AND STAIRNOSE ALUMINIUM PROFILES

**Program operator**

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**Registration number**

SQ 00-068

**Publication date**

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**Valid until date**

06.08.2031

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**Manufacturer**

Nordisk Profile Consult & Import AS (NPCI AS)

**Place of production**

2230 Skotterud, Norway

**Product Category Rules (PCR)**

EPD Square PCR v1.0.1, 2025

**Declared unit**

1 kg

**Mass per DU**

1 kg

**UN CPC code**

36910

**Geographical scope**

Norway, Scandinavia, Europe

**Year of study**

April 2025 – March 2026

**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**

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**Verification type**

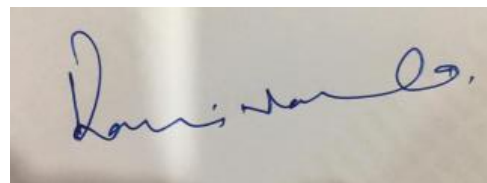
Independent verification of the declaration and data, according to ISO14025:2006

Internal: ☐

External: ☒

**Verified by**

Ravi Narula



*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

The EPD covers Cradle-to-gate with options, modules C1-C4, module D and additional modules (A4, A5).

## Modules declared and geographical scope

|                  | Product stage       |           |               | Constructi<br>on process<br>stage |                           | Use stage |             |        |             |               |                        |                       | End of life<br>stage       |           |                  |          | Resource<br>recovery<br>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-<br>potential |
| Module           | A1                  | A2        | A3            | A4                                | A5                        | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                         | C2        | C3               | C4       | D                                      |
| Modules declared | ✓                   | ✓         | ✓             | ✓                                 | ✓                         | MND       | MND         | MND    | MND         | MND           | MND                    | MND                   | ✓                          | ✓         | ✓                | ✓        | ✓                                      |
| Geographic scope | NO                  | NO        | NO            | EU                                | EU                        | MND       | MND         | MND    | MND         | MND           | MND                    | MND                   | EU                         | EU        | EU               | EU       | EU                                     |

Modules not declared = MND

## Description of organization

Nordisk Profil Consult & Import AS (NPCI) is a Norwegian engineering and trading company based in central Oslo, specializing in the development and trading of high-quality surface value add aluminium profiles for the Scandinavian market. With more than 25 years of continuous experience, NPCI wants to be one of the leading niche experts in its field in Scandinavia. NPCI designs and trades high-quality surface value add aluminium profiles for industrial volume customers, professional craftsmen and the DIY market. NPCI's products are either an integrated part of volume customers' end products or used directly in applications such as flooring and stair installations. NPCI operates a cost-efficient flexible organization with strong focus on product quality, product optimization, competitive prices and trustful long-term business relations. NPCI wants to be a reliable professional technical sparring partner both for our long-term suppliers and customers. Parts of the NPCI production and assembly has since 2015 been done in a close cooperation with Ny Vekst Eidskog, a sheltered enterprise contributing to social sustainability. Ny Vekst Eidskog and NPCI continuously tries to optimize logistics and packaging solutions, to reduce environmental impacts related to transport and material use. Through in-house product development, quality assurance, and documentation processes, NPCI ensures that products meet both internal requirements and relevant customer specifications. Close dialogue with suppliers and customers enables continuous identification and implementation of improved environmental solutions, including opportunities for reduced emissions and more sustainable material choices. Long-term commitment, responsible sourcing, and collaborative partnerships form the basis of NPCI's contribution to a more sustainable construction industry.

## Product information

### Product name

NPCI Floor Covering and Stairnose Aluminium Profiles

### Product description

The final processing, assembly, and packaging of NPCI aluminium floor covering profiles has since 2015 been done in close cooperation with Ny Vekst Eidskog, performed with NPCI designed and owned new quality energy efficient special machines in a structured and quality-controlled workflow. The process starts with the opening of wooden boxes and incoming bundle quality control to ensure that delivered materials meet specified requirements. Part of the Aluminium profiles are then cut to required lengths before the bundles are opened for further handling. A second stage of quality control is performed at profile level to verify product quality and conformity prior to value-adding operations. Value-adding activities include the application of doublesided tape and the preparation of screw bags adapted to product length and application. These steps are carried out in parallel before the profiles proceed to shrink packaging and labelling. Following shrink packaging, a visual quality control is conducted to ensure smooth shrink packing quality and correct bar code labelling. Specified pcs of the actual floor covering profiles are then packed into branded carton tubes, stacked on reusable steel pallets, and checked against packing lists prior to dispatch.

The use of aluminium as the main material provides inherent environmental benefits, as aluminium is fully recyclable without loss of properties. NPCI emphasizes the use of high-quality raw materials and avoids the use of scrap-based input with uncertain composition, ensuring consistent product performance and long product life.

The process is designed with a focus on resource efficiency, reduced material waste, and optimized logistics. The use of reusable steel pallets and efficient packaging solutions contributes to minimizing environmental impact during handling and transport.

Final products are dispatched to customers following completed quality assurance procedures.

Physical Properties: Shrink packed NPCI design anodised- and powder coated floor covering- and stairnose profiles for DIY market; alloy F22 / T6-EN AW 6060; density 2700 kg/m<sup>3</sup>; profile weight 0,131 - 0,230 kg/mt; fire class Anodized aluminium profile A1; fire class 60-80 my powder coated aluminium profile (Indoor use) A2-s1-d0; tensile strength (Rm) 190-215 Mpa (N/mm<sup>2</sup>)

Standards: EN 13501-1, EN 755-2

### Product application

The NPCI series of aluminium floor and stair profile systems are designed for the DIY (Do-It-Yourself) market and professional interior finishing work. The profiles are used to cover expansion joints and transitions between different types of flooring, as well as to protect and highlight the edges of stair treads.

### Geographical scope

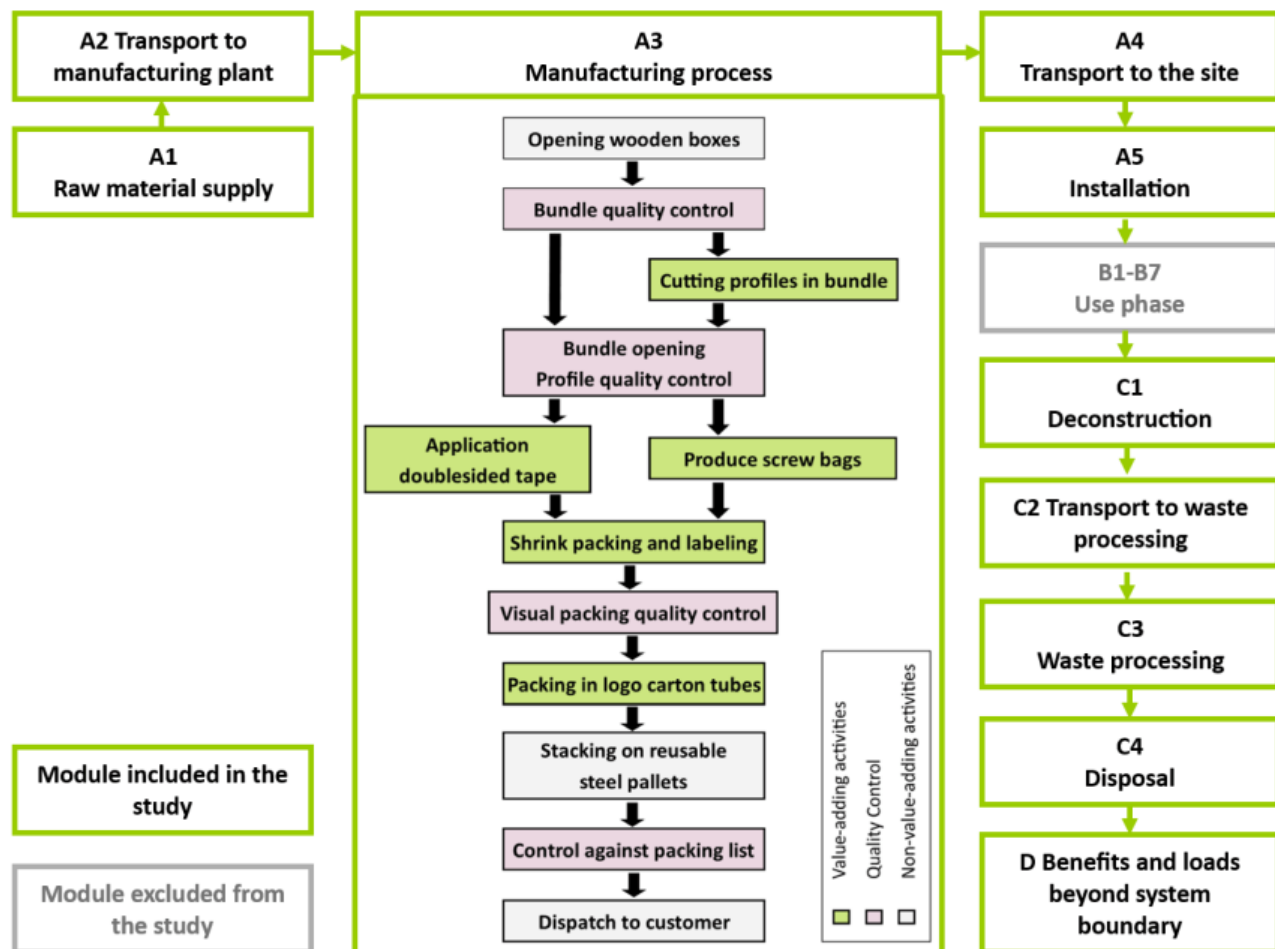
Norway, Scandinavia, Europe

## Product contents information

| Product components                 | Weight, kg | Post-consumer material, weight-% | Renewable material, weight-% |
|------------------------------------|------------|----------------------------------|------------------------------|
| Aluminium profiles                 | 1,0        | 0                                | 0                            |
| TOTAL                              | 1,0        | 0                                | 0                            |
| Packaging materials                | Weight, kg | Weight-% (versus the product)    |                              |
| Steel screws, 40% of profiles      | 0,01349    | 1,349                            |                              |
| BOPP-foil for screw bags           | 0,00025    | 0,025                            |                              |
| Double sided tape 20 % of profiles | 0,00521    | 0,521                            |                              |
| Double sided tape 40 % of profiles | 0,00694    | 0,694                            |                              |
| POF- film plus 19 my               | 0,01373    | 1,373                            |                              |
| Labels                             | 0,00208    | 0,208                            |                              |
| Cardboard tube                     | 0,28625    | 28,625                           |                              |
| PE lidd                            | 0,00558    | 0,558                            |                              |
| Staples                            | 0,00031    | 0,031                            |                              |
| Fiber reinforced tape              | 0,00074    | 0,074                            |                              |
| Steel pallet                       | 0,10095    | 10,095                           |                              |
| TOTAL                              | 0,43553    | 43,553                           |                              |

## Manufacturing process

The manufacturing process begins with trailer unloading and internal handling using an electric forklift. Next, the wooden boxes are opened manually, followed by a manual bundle quality control. The profiles are then cut in bundles using an electric saw. After cutting, the bundles are opened to perform a manual profile quality control. The process then splits into parallel value-adding activities: an electric special NPCI-designed machine applies double-sided tape to approximately 60% of the profiles, while a special machine produces screw bags (containing 6, 9, or 12 screws of 3.0x25 each) for approximately 40% of the profiles. Following these steps, the profiles undergo shrink packing and labeling by NPCI-designed special machines. A visual packing quality control is then performed manually. Finally, the finished products are packed into logo carton tubes, stacked on reusable steel pallets, controlled against the packing list (all via manual work), and dispatched to the customer by a Ny Vekst Eidskog operated van with a trailer.



## Life cycle assessment

### Cut-off criteria

The study does not exclude any modules or processes which are stated mandatory in the EN 15804:2012+A2:2019 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 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. Additives are not included in this study as their mass is less than 5% of total inputs. 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.

### Allocation, estimations, and assumptions

Primary manufacturing data were collected for the period April 2025–March 2026 at the manufacturing facility. Since the facility manufactures only the product group covered by this EPD, no allocation between different product systems was necessary. Annual consumption of electricity, packaging materials, auxiliary materials and waste generation was normalised to the annual production output and expressed per declared unit (1 kg of finished product).

The specific assumptions are:

- Module A5: Installation energy consumption was assumed to be negligible (0 kWh/kg).
- Module C1: Energy consumption for deconstruction was assumed to be zero.
- Module C2: Transport to waste treatment facilities was modelled using default European transport distances and lorry transport, representing a conservative scenario.
- Modules C3–C4: End-of-life recycling (90%) and landfill (10%) rates were based on EN 17213:2020 default values.
- Module D: Exported electricity and thermal energy from packaging waste incineration were calculated using standard background datasets and default energy recovery efficiencies.

No conservative assumptions were required for the primary manufacturing inventory data. Material consumption, electricity use, transport distances from suppliers, packaging materials and production waste were obtained directly from the manufacturer for the reference period and used without estimation.

### Database(s) and LCA software

This EPD has been created using One Click LCA Pre-Verified EPD Generator. Ecoinvent v3.11 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 processing of all raw materials and packaging which occur upstream to the manufacturing site.

### Module A2

The considered transportation impacts include exhaust emissions resulting from transportation of all raw materials from suppliers to production plant as well as the environmental impacts of production of the used fuel. Module includes Transport, freight, lorry, 16-32 metric ton, diesel, EURO 6; and Transport, freight, lorry, 7.5-16 metric ton, diesel, EURO 6.

### Module A3

The environmental impacts considered for the production stage cover the manufacturing of the production materials and fuels used by machines. The study considers the losses of main raw materials occurring during the manufacturing process. A mass-based allocation is applied to split the environmental burdens of the site among the finished products. The waste is considered to transfer to the landfill and waste treatment facility. Electricity consumption was collected directly from the manufacturer, reflecting actual process energy use on-site.

#### Manufacturing energy scenario (A3)

| Electricity data source and quality   | Electricity, low voltage, residual mix (Reference product: electricity, low voltage) | Ecoinvent 3.11<br>AIB (2024) |
|---------------------------------------|--------------------------------------------------------------------------------------|------------------------------|
| Electricity kg CO <sub>2e</sub> / kWh | 0,73                                                                                 |                              |

### Module A4

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

The transportation impacts considered include exhaust emissions resulting from transportation of final products to construction site as well as the environmental impacts of production of the used fuel. Transport modes and distances were based on the manufacturer's logistics.

#### Transportation scenario (A4)

| Vehicle type used for transport   | Lorry 16-32 ton, EURO 6 |
|-----------------------------------|-------------------------|
| Distance to the construction site | 105 km                  |
| Capacity utilization              | 1                       |



## Module A5

Energy consumption and used ancillary materials during installation are negligible and can be assumed as zero.

## Module C1

Energy consumption and used ancillary materials during demolition are negligible and can be assumed as zero. It is assumed that 100% of waste is collected.

## Module C2

Transportation distance to the closest disposal area is estimated as 50 km and the transportation method is assumed as lorry (Transport freight lorry >32 metric tonne) which is the most common. Transportation distances were assumed according to Gervasio, H. & Dimova, S. JRC Technical report: Model for Life Cycle Assessment (LCA) of buildings, 2018.

## Module C3

According to EN 17213:2020, it is estimated that 90% of aluminium profiles are recycled. The recovered material from the C3 waste processing stage is intended to be used as a secondary raw material in subsequent manufacturing processes, meeting an existing market demand. The material is assumed to comply with the applicable technical and regulatory requirements for its intended application, including compliance with the requirements regarding SVHC.

## Module C4

According to EN 17213:2020, it is estimated that 10% of aluminium profiles are landfilled.

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

|                                       | Value | Unit |
|---------------------------------------|-------|------|
| Collected separately                  | 1     | kg   |
| Collected as mixed construction waste | 0,00  | kg   |
| Reuse                                 | 0,00  | kg   |
| Recycling                             | 0,9   | kg   |
| Energy recovery                       | 0,00  | kg   |
| To landfill                           | 0,1   | kg   |

## Module D

Module D accounts for benefits and loads associated with recycling and energy recovery from aluminium. The benefits and loads associated with the recycling of packaging materials were also taken into account.

## Data quality

The data quality information has been provided according to the requirements of EN 15941. The data assessment was done using the Product Environmental Footprint Category Rules. The data has been collected internally, considering the latest available average production amounts and measurements during the time period of April 2025-March 2026.

| Geographical<br>representativeness | Technological<br>representativeness | Temporal<br>representativeness |
|------------------------------------|-------------------------------------|--------------------------------|
| 1,46                               | 1,07                                | 2,0                            |

## LCA results

Results are presented per 1 kg (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. | 1,28E+01  | 2,81E-02 | 3,86E-01 | 0,00E+00 | 2,34E-02 | 2,45E-02 | 1,67E-03 | -6,05E+00 |
| GWP-fossil     | kg CO <sub>2</sub> eq. | 1,29E+01  | 2,81E-02 | 4,94E-02 | 0,00E+00 | 2,34E-02 | 2,45E-02 | 1,67E-03 | -5,90E+00 |
| GWP-biogenic   | kg CO <sub>2</sub> eq. | -3,37E-01 | 0,00E+00 | 3,37E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| GWP-LULUC      | kg CO <sub>2</sub> eq. | 1,82E-01  | 9,49E-06 | 8,35E-06 | 0,00E+00 | 8,73E-06 | 2,88E-05 | 1,83E-06 | -1,49E-01 |
| ODP            | kg CFC-11 eq.          | 2,08E-07  | 6,13E-10 | 1,22E-10 | 0,00E+00 | 5,30E-10 | 2,63E-10 | 3,45E-11 | -1,07E-07 |
| AP             | mol H <sup>+</sup> eq. | 7,54E-02  | 6,04E-05 | 5,90E-05 | 0,00E+00 | 5,69E-05 | 2,62E-04 | 1,04E-05 | -3,87E-02 |
| EP-freshwater  | kg P eq.               | 6,20E-03  | 1,95E-06 | 2,97E-06 | 0,00E+00 | 1,71E-06 | 1,32E-05 | 2,38E-07 | -3,37E-03 |
| EP-marine      | kg N eq.               | 1,23E-02  | 1,45E-05 | 5,72E-05 | 0,00E+00 | 1,50E-05 | 5,81E-05 | 4,28E-06 | -5,28E-03 |
| EP-terrestrial | mol N eq.              | 1,15E-01  | 1,57E-04 | 1,97E-04 | 0,00E+00 | 1,62E-04 | 6,55E-04 | 4,13E-05 | -4,79E-02 |
| POCP           | kg NMVOC eq.           | 4,50E-02  | 9,58E-05 | 7,25E-05 | 0,00E+00 | 9,52E-05 | 1,93E-04 | 1,37E-05 | -2,11E-02 |
| ADP-M&M        | kg Sb eq.              | 5,79E-05  | 9,87E-08 | 8,43E-08 | 0,00E+00 | 6,97E-08 | 1,44E-06 | 3,76E-09 | -1,20E-05 |
| ADP-fossil     | MJ                     | 1,86E+02  | 4,00E-01 | 1,17E-01 | 0,00E+00 | 3,55E-01 | 2,89E-01 | 3,18E-02 | -9,31E+01 |
| WDP            | m <sup>3</sup>         | 1,84E+01  | 2,12E-03 | 3,93E-03 | 0,00E+00 | 2,06E-03 | 4,57E-03 | 1,45E-03 | -1,22E+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 | 9,11E-07 | 2,11E-09 | 2,51E-09 | 0,00E+00 | 2,32E-09 | 3,65E-09 | 2,13E-10 | -4,38E-07 |
| IRP       | kBq U235 eq.      | 2,35E+00 | 4,83E-04 | 3,62E-04 | 0,00E+00 | 3,98E-04 | 1,04E-03 | 4,72E-05 | -1,58E+00 |
| ETP-fw    | CTUe              | 4,68E+02 | 3,40E-01 | 3,90E+00 | 0,00E+00 | 3,05E-01 | 1,68E-01 | 8,98E+02 | -1,58E+02 |
| HTP-c     | CTUh              | 1,76E-08 | 4,73E-12 | 1,88E-11 | 0,00E+00 | 3,90E-12 | 1,96E-11 | 9,21E-13 | -1,07E-08 |
| HTP-nc    | CTUh              | 1,40E-07 | 2,52E-10 | 7,44E-10 | 0,00E+00 | 2,28E-10 | 1,25E-09 | 1,75E-10 | -7,22E-08 |
| SQP       | Dimensionless     | 6,51E+01 | 2,40E-01 | 1,05E-01 | 0,00E+00 | 3,57E-01 | 5,47E-01 | 6,10E-02 | -5,25E+00 |

**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             | 5,35E+01 | 6,59E-03 | -4,62E+00 | 0,00E+00 | 5,47E-03 | 4,49E-02 | 7,14E-04  | -3,85E+01 |
| RPEM      | MJ             | 3,54E-02 | 0,00E+00 | -3,54E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 4,50E-02  |
| TPE       | MJ             | 5,35E+01 | 6,59E-03 | -4,66E+00 | 0,00E+00 | 5,47E-03 | 4,49E-02 | 7,14E-04  | -3,85E+01 |
| NRPE      | MJ             | 1,84E+02 | 4,00E-01 | -1,20E+00 | 0,00E+00 | 3,55E-01 | 2,89E-01 | 3,18E-02  | -9,31E+01 |
| NRPM      | MJ             | 1,04E+00 | 0,00E+00 | -1,04E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 2,20E-01  |
| TNRPE     | MJ             | 1,86E+02 | 4,00E-01 | -2,24E+00 | 0,00E+00 | 3,55E-01 | 2,89E-01 | 3,18E-02  | -9,29E+01 |
| SM        | kg             | 1,31E-01 | 1,81E-04 | 2,10E-04  | 0,00E+00 | 1,50E-04 | 3,34E-04 | 1,17E-05  | 1,02E+00  |
| RSF       | MJ             | 4,29E-03 | 2,38E-06 | 1,64E-06  | 0,00E+00 | 1,98E-06 | 1,52E-05 | 1,99E-07  | -1,71E-04 |
| NRSF      | MJ             | 2,71E-06 | 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> | 4,02E-01 | 4,89E-05 | -7,29E-05 | 0,00E+00 | 4,80E-05 | 1,26E-04 | -3,76E-04 | -2,63E-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; **TNRPE:** 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   | 2,70E+00 | 5,80E-04 | 2,11E-03 | 0,00E+00 | 5,18E-04 | 2,25E-03 | 1,58E-04 | -1,29E+00 |
| NHW       | kg   | 8,14E+01 | 1,25E-02 | 1,51E-01 | 0,00E+00 | 1,06E-02 | 6,34E-02 | 2,85E-01 | -1,58E+01 |
| RW        | kg   | 6,25E-04 | 1,19E-07 | 8,92E-08 | 0,00E+00 | 9,77E-08 | 2,55E-07 | 1,15E-08 | -4,21E-04 |

**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   | 1,52E-02 | 0,00E+00 | 2,67E-01 | 0,00E+00 | 0,00E+00 | 9,00E-01 | 0,00E+00 | 0,00E+00 |
| MER       | 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 |
| EEE       | MJ   | 5,03E-03 | 0,00E+00 | 1,27E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| ETE       | MJ   | 0,00E+00 | 0,00E+00 | 1,77E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 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                    | 0,000 | kg C |
| Biogenic carbon content in the accompanying packaging | 0,09  | kg C |

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

| Specific data and data variation | Value-% |
|----------------------------------|---------|
| Specific data                    | 52,2%   |
| Variation - product              | -       |
| Variation - site                 | -       |

## 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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Environmental labels and declarations – General principles

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### **ISO 14040:2006**

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### **EN 15804:2012+A2:2019/AC:2021**

Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products

### **EN 15941:2024**

Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data

EPD Square PCR v.1.0.1, 2025

EPD Square, General Programme Instructions v.1, 2024

Ecoinvent database v3.11 (2024) and One Click LCA database

## Annex A

## Environmental impacts – EN 15804+A1, CML/ISO 21930

| Indicator  | Unit                                 | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|------------|--------------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP        | kg CO <sub>2</sub> eq.               | 1,31E+01 | 2,80E-02 | 8,33E-02 | 0,00E+00 | 2,33E-02 | 2,44E-02 | 1,66E-03 | -6,05E+00 |
| ODP        | kg CFC-11 eq.                        | 1,67E-07 | 4,90E-10 | 1,00E-10 | 0,00E+00 | 4,23E-10 | 2,18E-10 | 2,78E-11 | -8,78E-08 |
| AP         | kg SO <sub>2</sub> eq.               | 6,38E-02 | 4,85E-05 | 4,52E-05 | 0,00E+00 | 4,51E-05 | 2,11E-04 | 7,65E-06 | -3,34E-02 |
| EP         | kg PO <sub>4</sub> eq.               | 1,07E-02 | 1,27E-05 | 4,36E-05 | 0,00E+00 | 1,17E-05 | 3,00E-05 | 5,00E-06 | -2,89E-03 |
| POCP       | kg C <sub>2</sub> H <sub>4</sub> eq. | 6,42E-03 | 5,00E-06 | 1,30E-05 | 0,00E+00 | 4,49E-06 | 1,25E-05 | 6,07E-07 | -3,92E-03 |
| ADP-M&M    | kg Sb eq.                            | 4,29E-05 | 9,65E-08 | 8,27E-08 | 0,00E+00 | 6,81E-08 | 1,44E-06 | 3,64E-09 | -1,01E-05 |
| ADP-fossil | MJ                                   | 1,45E+02 | 3,92E-01 | 1,11E-01 | 0,00E+00 | 3,49E-01 | 2,73E-01 | 3,10E-02 | -6,58E+01 |

## Environmental impacts – GWP-GHG

| Indicator | Unit                   | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|-----------|------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP - GHG | kg CO <sub>2</sub> eq. | 1,31E+01 | 2,81E-02 | 4,94E-02 | 0.00E+00 | 2,34E-02 | 2,45E-02 | 1,67E-03 | -6,05E+00 |

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

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