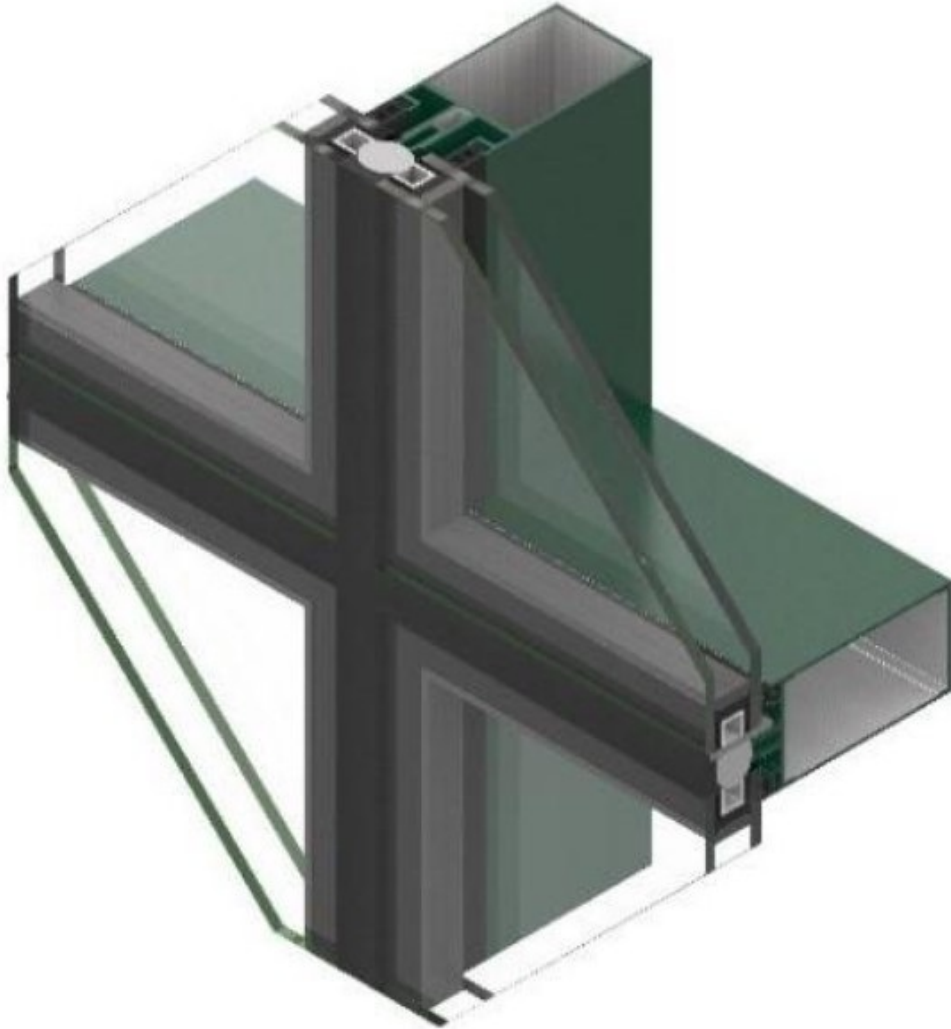


# ENVIRONMENTAL PRODUCT DECLARATION

In accordance with ISO 14025 and EN15804+A2

MU800 SG 32mm DG 7.2m x 8m



**Owner of the declaration:**  
Architectural & Metal Systems Ltd.

**Product:**  
MU800 SG 32mm DG 7.2m x 8m

**Declared unit:**  
1 pcs

**This declaration is based on Product Category Rules:**  
EN 15804:2012+A2:2019, EPD Ireland PCR Part A,  
Version 2.1, 2022  
I.S. EN 17213:2020 Windows and doors - Environmental  
Product Declarations - Product category rules for  
windows and pedestrian doorsets

**Program operator:**  
EPD Ireland

**Declaration number:**  
EPDIE-26-309

**Issue date:**  
31.03.2026

**Valid to:**  
30.03.2031

## General information

### Product

MU800 SG 32mm DG 7.2m x 8m

### Program operator:

EPD Ireland  
19 Mountjoy Square, Dublin D01 E8P5  
Phone: +353 (01) 6815862  
web: <https://www.igbc.ie/epd-home/>

### Declaration number:

EPDIE-26-309

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

EN 15804:2012+A2:2019, EPD Ireland PCR Part A, Version 2.1, 2022  
I.S. EN 17213:2020 Windows and doors - Environmental Product  
Declarations - Product category rules for windows and pedestrian  
doorsets

### Statement of liability:

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

### Type of EPD

Specific product EPD

### Declared unit:

1 pcs MU800 SG 32mm DG 7.2m x 8m

### Scope of the EPD:

A1, A2, A3, A4, A5, C1, C2, C3, C4, D

### Functional unit:

One SG 40mm DGU - 7.2m x 8m curtain wall unit

PLEASE NOTE: This EPD does not include the glazing in the unit.  
Glazing type is at the discretion of the user, and impacts of glazing  
can be added separately. Packaging is also not included, as packaging  
is minimal and its impact is far below 1% of the impact of the product.

### Verification:

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

Third party verifier:  
Kim Allbury

### Owner of the declaration:

Architectural & Metal Systems Ltd.  
Contact person: Charlie Millea  
Phone: +353 21 470 5100  
e-mail: [info@ams.ie](mailto:info@ams.ie)

### Manufacturer:

Architectural & Metal Systems Ltd.

### Place of production:

Architectural & Metal Systems Ltd.  
Wallingstown  
T45 VP40 Little Island, Co. Cork , Ireland

### Issue date:

31.03.2026

### Valid to:

30.03.2031

### Year of study:

2024

### Comparability:

Environmental Product Declarations from different programmes may  
not be directly comparable if not compliant with EN  
15804:2012+A2:2019. Comparability is further dependent on the  
specific product category rules, system boundaries and allocations,  
and background data sources. See clause 5.3 of EN  
15804:2012+A2:2019

LCA consultant or person responsible for LCA:  
EcoReview, Peter Seymour

### Approved:

SIGNATURE OF PROGRAMME OPERATOR



Pat Barry, CEO - Irish Green Building Council

## Product

### Product description:

The façade profiles (without glass) are fabricated and prepared at the AMS factory site. Aluminium profiles are painted, cut to size, and fitted with thermal break materials, gaskets, and accessories. The raw materials comprise, by weight percentage: aluminium profile (73-79), PVC/foam/EPDM (16-21), hardware (1-2), powder coat (2), silicone (5). Profiles are then packaged in light plastic bubble wrap packaging for dispatch to the customer, where facades are assembled and the requisite double or triple glazed unit is fitted. Full technical specification and information for each product can be found at [www.ams.ie](http://www.ams.ie).

### Product specification:

The facades are manufactured in accordance with IS EN 13830-1:2015+A1:2020 curtain walling – product standard.

### Technical data:

| Product/Element | Supplier guarantee | Design life expected    | Actual life expected |
|-----------------|--------------------|-------------------------|----------------------|
| Extrusion       | 30 years           | 40 years                | 100 years            |
| Paint finish    | 30 years           | 40 years                | 45 years             |
| Gaskets         | 10 years           | 40 years                | 40 years             |
| Hardware        | 10 years           | 20 years (medium usage) | 20 years             |

### Market/Geographical Area:

The intended use of the products are as curtain wall systems in residential, educational, healthcare and commercial buildings throughout Ireland.

### Reference service life, product

See Technical Data table (above).

### Reference service life, building or construction works

N/A

## LCA: Calculation rules

### Declared unit:

1 pcs MU800 SG 32mm DG 7.2m x 8m  
kg per Declared unit 347.82

### Cut-off criteria:

All relevant inputs and outputs - like emissions, energy and materials - have been taken into account in this LCA, and in accordance with EN15804+A2:2019. The study covers at least 95% of the materials and energy per module and at least 99% of the total use of materials and energy of each unit process. Long term emissions have been excluded from the study.

### Allocation:

The source of default unit processes or activities is the Ecoinvent database version 3.9.1, system model "Allocation, cut-off by classification". The measurement of environmental impacts in this EPD uses the LCIA methodologies recommended for PEF 3.1. In this EPD, the waste processes are allocated in the relevant module. In the case of the use of secondary materials or energy recovered from secondary fuels, the system boundary between the system under study and the previous system (providing the secondary materials) is set where outputs of the previous system, e.g. materials, products, building elements or energy, reach the end-of-waste state. The modularity and the polluter payer principles have been followed

### Data quality:

Geographical representativeness: Data is from area under study. The ecoinvent records cover mostly Europe. The reference for the main raw material (aluminium) is product-specific and manufacturer-specific. The references for plastics elements are from Europe. Geographic representativeness is considered to be very good.

Technical representativeness: Data is from the processes and products under study. The same state of technology that is used by AMS is that defined in goal and scope. Technical representativeness is considered to be very good.

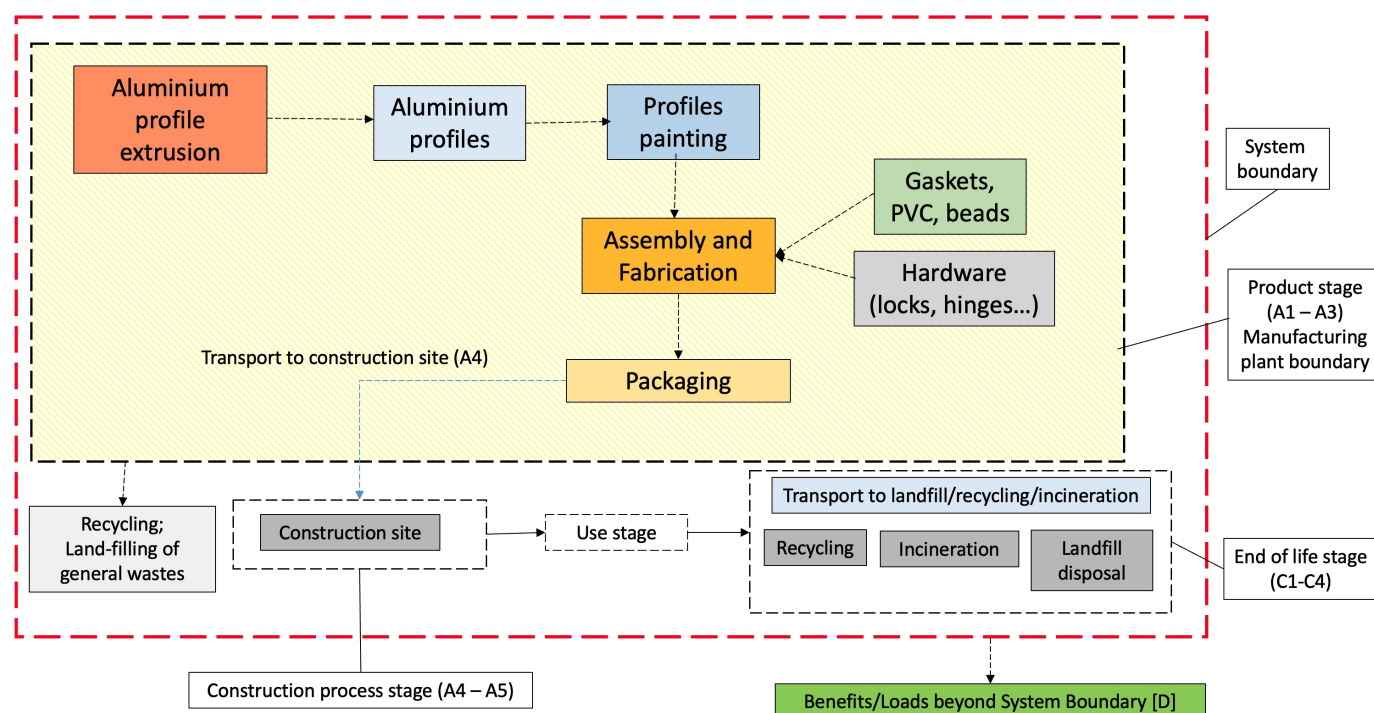
Time representativeness: The production year used in this LCA is 2024. The Ecoinvent version 3.9.1 database was used to represent this production. The reference for aluminium raw material for the profiles is based on the 2021 production year. Time representativeness is considered to be good.

## Scope and type of EPD (X = Module declared; ND = Module not declared)

| 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        | ND        | ND          | ND     | ND          | ND            | ND                     | ND                    | X                          | X         | X                | X        | X                                  |

### System boundary:

This LCA covers the Product (A1, A2 and A3), Transport to site (A4), Construction Process (A5), End of Life (C1 to C4) and Benefits/loads beyond the system boundary (D) Stages, as indicated above. This is termed: "Cradle to gate with options, modules C1 to C4, and module D". A schematic of these stages is presented in the flow diagram below.



### Additional technical information:

#### Electricity modelling

This LCA calculates the electricity impact based on the market-based approach. The CO<sub>2</sub> intensity of the electricity is determined to be 0.66 kg CO<sub>2</sub>eq per kWh.

## LCA: Scenarios and additional technical information

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

### A4. Transport to customer

The transport to the customer phase (A4) is modelled on delivery from Little Island to an average customer in Ireland of a distance of 180 km, as required in the PCR for EPD Ireland [8]. Delivery trucks used have a carrying capacity of 7.5 – 16 tonnes. Trucks normally carry a load of 2 tonnes.

### A5. Installation

The installation phase (A5) comprises fixing the window/door in place on the construction site. As the windows/doors are manually installed in the openings, no energy is allocated to this process. Installation losses of 1% are modelled in the LCA.

### B. Use Stage

This stage is not included in the LCA.

### C1. De-construction demolition

In the deconstruction/demolition stage C1 it is assumed that the units are removed manually from building – so no energy or materials are used, and the impacts in C1 are assumed to be zero.

### C2. Transport

In the transport phase C2 it is assumed that the materials travel 50km to landfill/recycling, and 250km to incineration, as per default values in the Product Category Rules PCR for EPD Ireland.

### C3. Waste processing

In the Waste Processing phase C3, the following assumptions are made for recycling, landfilling and incineration:

Aluminium: 95% recycled, 5% landfilled

Metals (ferrous): 95% recycled, 5% landfilled

Plastics: 95% incinerated, 5% landfilled.

### C4, Disposal

5% of all materials are landfilled.

### D. Benefits and loads beyond the system boundary

Incineration of plastics provides energy for electricity. Avoided electricity is based on the reference year of 2024. The grid mix used is 'kWh Electricity mix average low voltage Ireland'. Avoided electricity energy for this product is 175.9 kWh per DU.

Aluminium and steel are assumed to be recycled at rates of 95%. The aluminium raw material is 68.5 % recycled, thus only 31.5% of the recycled aluminium material counts towards the replacement of primary aluminium raw material. For the hardware (steel elements) it is assumed there is 37% recycled steel content in these raw materials.

## 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       | A2       | A3       | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|  | GWP-total                        | kg CO <sub>2</sub> -eq | 1.53E+03 | 9.33E+00 | 1.82E+01 | 1.20E+02 | 1.56E+01 | 0.00E+00 | 6.83E+00 | 1.34E+02 | 3.53E-01 | -8.03E+02 |
|  | GWP-fossil                       | kg CO <sub>2</sub> -eq | 1.45E+03 | 9.32E+00 | 1.78E+01 | 1.20E+02 | 1.48E+01 | 0.00E+00 | 6.82E+00 | 1.83E+02 | 3.53E-01 | -7.83E+02 |
|  | GWP-biogenic                     | kg CO <sub>2</sub> -eq | 1.34E+01 | 3.54E-03 | 3.98E-01 | 1.02E-01 | 1.38E-01 | 0.00E+00 | 6.77E-03 | 1.26E-02 | 2.21E-04 | -5.29E+00 |
|  | GWP-luluc                        | kg CO <sub>2</sub> -eq | 3.74E+01 | 5.55E-03 | 4.49E-03 | 5.42E-02 | 3.75E-01 | 0.00E+00 | 3.31E-03 | 1.02E-03 | 2.96E-05 | -1.54E+01 |
|  | ODP                              | kg CFC 11 -eq          | 9.02E-05 | 1.65E-07 | 3.09E-07 | 2.55E-06 | 9.07E-07 | 0.00E+00 | 1.45E-07 | 9.21E-07 | 8.31E-10 | -2.35E-05 |
|  | AP                               | mol H <sup>+</sup> -eq | 3.04E+00 | 1.59E-01 | 5.32E-02 | 2.42E-01 | 3.25E-02 | 0.00E+00 | 1.45E-02 | 2.65E-01 | 2.69E-04 | -4.05E+00 |
|  | EP-FreshWater                    | kg P -eq               | 3.04E-01 | 5.16E-05 | 2.69E-04 | 9.23E-04 | 3.05E-03 | 0.00E+00 | 5.40E-05 | 1.68E-03 | 5.97E-07 | -3.52E-02 |
|  | EP-Marine                        | kg N -eq               | 1.16E+00 | 4.01E-02 | 1.01E-02 | 5.85E-02 | 1.21E-02 | 0.00E+00 | 3.58E-03 | 5.80E-02 | 4.48E-04 | -4.83E-01 |
|  | EP-Terrestrial                   | mol N -eq              | 1.20E+01 | 4.42E-01 | 1.09E-01 | 6.08E-01 | 1.26E-01 | 0.00E+00 | 3.73E-02 | 6.55E-01 | 1.03E-03 | -5.37E+00 |
|  | POCP                             | kg NMVOC -eq           | 5.48E+00 | 1.27E-01 | 4.71E-02 | 3.78E-01 | 5.66E-02 | 0.00E+00 | 2.26E-02 | 1.92E-01 | 4.19E-04 | -2.32E+00 |
|  | ADP-minerals&metals <sup>1</sup> | kg Sb-eq               | 1.20E-02 | 1.79E-05 | 3.53E-04 | 3.75E-04 | 1.24E-04 | 0.00E+00 | 2.17E-05 | 5.90E-03 | 8.06E-08 | -1.77E-03 |
|  | ADP-fossil <sup>1</sup>          | MJ                     | 2.12E+04 | 1.20E+02 | 2.44E+02 | 1.65E+03 | 2.16E+02 | 0.00E+00 | 9.45E+01 | 5.41E+02 | 7.78E-01 | -1.10E+04 |
|  | WDP <sup>1</sup>                 | m <sup>3</sup>         | 3.14E+02 | 3.74E-01 | 3.82E+00 | 6.28E+00 | 3.18E+00 | 0.00E+00 | 3.90E-01 | 6.10E+01 | 3.22E-02 | 1.51E+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 experienced with the indicator

## Remarks on environmental impacts

### Additional environmental impact indicators

| Indicator                                                                                             | Unit              | A1       | A2       | A3       | A4       | A5       | C1       | C2       | C3       | C4       | D         |
|-------------------------------------------------------------------------------------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
|  PM                  | Disease incidence | 1.09E-04 | 4.50E-07 | 3.82E-07 | 7.29E-06 | 1.10E-06 | 0.00E+00 | 4.94E-07 | 2.40E-06 | 5.42E-09 | -5.15E-05 |
|  IRP <sup>2</sup>    | kgBq U235 -eq     | 1.27E+02 | 4.15E-02 | 8.23E-02 | 9.70E-01 | 1.27E+00 | 0.00E+00 | 4.79E-02 | 1.48E+00 | 4.83E-04 | -5.95E+01 |
|  ETP-fw <sup>1</sup> | CTUe              | 2.00E+04 | 1.11E+02 | 3.53E+02 | 1.55E+03 | 2.04E+02 | 0.00E+00 | 9.21E+01 | 3.41E+03 | 1.78E+00 | -1.37E+04 |
|  HTP-c <sup>1</sup>  | CTUh              | 3.62E-06 | 3.94E-09 | 1.07E-08 | 4.87E-08 | 3.63E-08 | 0.00E+00 | 3.04E-09 | 7.22E-08 | 2.20E-11 | -2.03E-06 |
|  HTP-nc <sup>1</sup> | CTUh              | 4.55E-05 | 8.19E-08 | 3.29E-07 | 1.39E-06 | 4.59E-07 | 0.00E+00 | 8.54E-08 | 2.25E-06 | 7.40E-10 | -2.83E-05 |
|  SQP <sup>1</sup>    | dimensionless     | 3.74E+03 | 4.02E+01 | 3.98E+01 | 8.52E+02 | 3.82E+01 | 0.00E+00 | 5.74E+01 | 3.43E+02 | 1.75E+00 | -1.40E+03 |

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 = Potential Soil Quality Index (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       | A2       | A3       | A4       | A5       | C1       | C2       | C3       | C4       | D         |  |
|  PERE  | MJ             | 9.22E+03 | 1.31E+00 | 1.23E+02 | 2.88E+01 | 9.34E+01 | 0.00E+00 | 1.48E+00 | 6.59E+01 | 1.62E-02 | -4.31E+03 |  |
|  PERM  | MJ             | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |  |
|  PERT  | MJ             | 9.22E+03 | 1.31E+00 | 1.23E+02 | 2.88E+01 | 9.34E+01 | 0.00E+00 | 1.48E+00 | 6.59E+01 | 1.62E-02 | -4.31E+03 |  |
|  PENRE | MJ             | 2.20E+04 | 1.27E+02 | 2.68E+02 | 1.75E+03 | 2.24E+02 | 0.00E+00 | 1.00E+02 | 5.84E+02 | 8.28E-01 | -1.17E+04 |  |
|  PENRM | MJ             | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |  |
|  PENRT | MJ             | 2.20E+04 | 1.27E+02 | 2.68E+02 | 1.75E+03 | 2.24E+02 | 0.00E+00 | 1.00E+02 | 5.84E+02 | 8.28E-01 | -1.17E+04 |  |
|  SM    | kg             | 1.74E+02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.74E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |  |
|  RSF   | MJ             | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |  |
|  NRSF  | MJ             | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |  |
|  FW    | m <sup>3</sup> | 6.47E+01 | 1.20E-02 | 8.95E-02 | 2.26E-01 | 6.48E-01 | 0.00E+00 | 1.27E-02 | 1.61E+00 | 7.71E-04 | -2.64E+01 |  |

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 | A2       | A3       | A4       | A5       | C1       | C2       | C3       | C4       | D        |           |
|  | HWD  | kg | 8.07E-01 | 6.76E-04 | 1.41E-02 | 1.05E-02 | 8.21E-03 | 0.00E+00 | 6.01E-04 | 4.06E-01 | 3.80E-06 | -2.90E-02 |
|  | NHWD | kg | 5.75E+02 | 3.07E+00 | 2.65E+00 | 6.81E+01 | 5.81E+00 | 0.00E+00 | 4.69E+00 | 7.85E+00 | 2.98E+00 | -1.94E+02 |
|  | RWD  | kg | 3.98E-02 | 2.53E-05 | 5.10E-05 | 6.54E-04 | 3.99E-04 | 0.00E+00 | 3.11E-05 | 9.79E-04 | 2.97E-07 | -4.70E-02 |

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 | A2       | 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 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
|  | MFR  | kg | 2.22E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.22E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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 | 0.00E+00 | 0.00E+00 |
|  | EEE  | MJ | 9.59E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.59E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
|  | EET  | MJ | 9.59E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.59E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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 | 0.00E+00            |
| Biogenic carbon content in accompanying packaging | kg C | 0.00E+00            |

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

## **Additional requirements**

### **Dangerous substances**

None of the substances contained in the product are listed in the "Candidate List of Substances of Very High Concern for authorisation", or they do not exceed the limit for registration with the European Chemicals Agency.

**Mandatory additional information on release of dangerous substances to indoor air, soil and water.**

## Bibliography

- [1] ISO 14040: Environmental management - Life cycle assessment – Principles and Framework', International Organization for Standardization, ISO14040:2006.
- [2] ISO 14044: Environmental management - Life cycle assessment - Requirements and guidelines', International Organization for Standardization, ISO14044:2006.
- [3] ISO 14025: Environmental labels and declarations -- Type III environmental declarations - Principles and procedures', International Organization for Standardization, ISO14025:2006.
- [4] I.S. EN 15804:2012+A2:2019, Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products', EN 15804:2012+A2:2019.
- [5] Ecochain, 2025, web: <http://app.ecochain.com>.
- [6] Product Category Rules : Part A Version 2 Implementation and use of I.S. EN 15804:2012 and CEN TR 16970:2016 in Ireland. Product Category Rules: Part A, version 2.
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