



EcoReview
Part of the solution.

Environmental Product Declaration
Declaration according to
EN 15804+A2 &
NMD Assessment Method 1.2



Environmental Product Declaration

According to EN 15804+A2
(conform NMD Assessment Method 1.2)



Product Declaration Unit (DU or FU) Isover Comfort Panel (45 mm)
m²
Declared by Saint-Gobain Construction Products NL B.V.
Owner of Declaration Saint-Gobain Construction Products NL B.V.
Verifier Else-A

LCA study by EcoReview B.V.
Calculation number 2026.010.
Issue Date 26-11-2025
Expiry Date 26-11-2030

General Information

Owner of Declaration

| | |
|--------------------|--|
| Name | Saint-Gobain Construction Products NL B.V. |
| Street | Stuartweg 1B |
| Postal Code | 4131 NH |
| City | Vianen |
| Contact | Rogier Stoker |



Declaration for

| | |
|------------------------------------|---|
| Calculation Number | 2026.010. |
| Issue Date | 26-11-2025 |
| Expiry Date | 26-11-2030 |
| Product | Isover Comfort Panel (45 mm) |
| Declared / Functional Unit | m ² |
| Reference Service Life | 75 years |
| Scalable product | Yes, on glass wool component (See EPD application) |
| Geographical Representation | Produced (A1-A3) by Saint Gobain, Etten-Leur, the Netherlands |
| Product Description | Glass wool insulation product. |

Declaration Information

This Environmental Product Declaration is in accordance with EN 15804+A2. This certificate is based on an LCA-dossier developed according to ISO14040:2006, ISO14044:2006 and EN15804+A2 and the NMD Assessment Method 1.2. EPD of construction products may not be comparable if they do not comply to comparable norms and standards. Substances of Very High Concern (SVHC) that are listed on the 'Candidate List of Substances of Very High Concern for authorization' are declared when contents exceed the limits for registration with ECHA.

This LCA study was conducted by: Roel van Oosterhout, EcoReview B.V.

Demonstration of Verification

Statement CEN standard EN15804 serves as the core PCR. Verification of the claim and data was carried out independently.

Verifier Name External
Elsemieke Juffer, Else-A

Signature

A handwritten signature in blue ink, enclosed within a dashed green rectangular box.



LCA Information

| | |
|---------------------------------------|---|
| LCA Standard | ISO 14040:2006 |
| Product Category Rules (PCR) | EN 15804+A2 + NMD Assessment Method 1.2 |
| Additional PCR | Not Applicable |
| Standard Database (EN15804+A1) | Ecoinvent 3.6 + NMD 3.11 |
| Standard Database (EN15804+A2) | Ecoinvent 3.9.1. + NMD 3.11 |
| Char. Method (EN15804+A2) | EF 3.1 |
| System Model | Allocation, cut-off by classification |
| LCA Software | SimaPro 9.6.0.1 |
| Year of Data Collection | Q3 2024 – Q2 2025 |

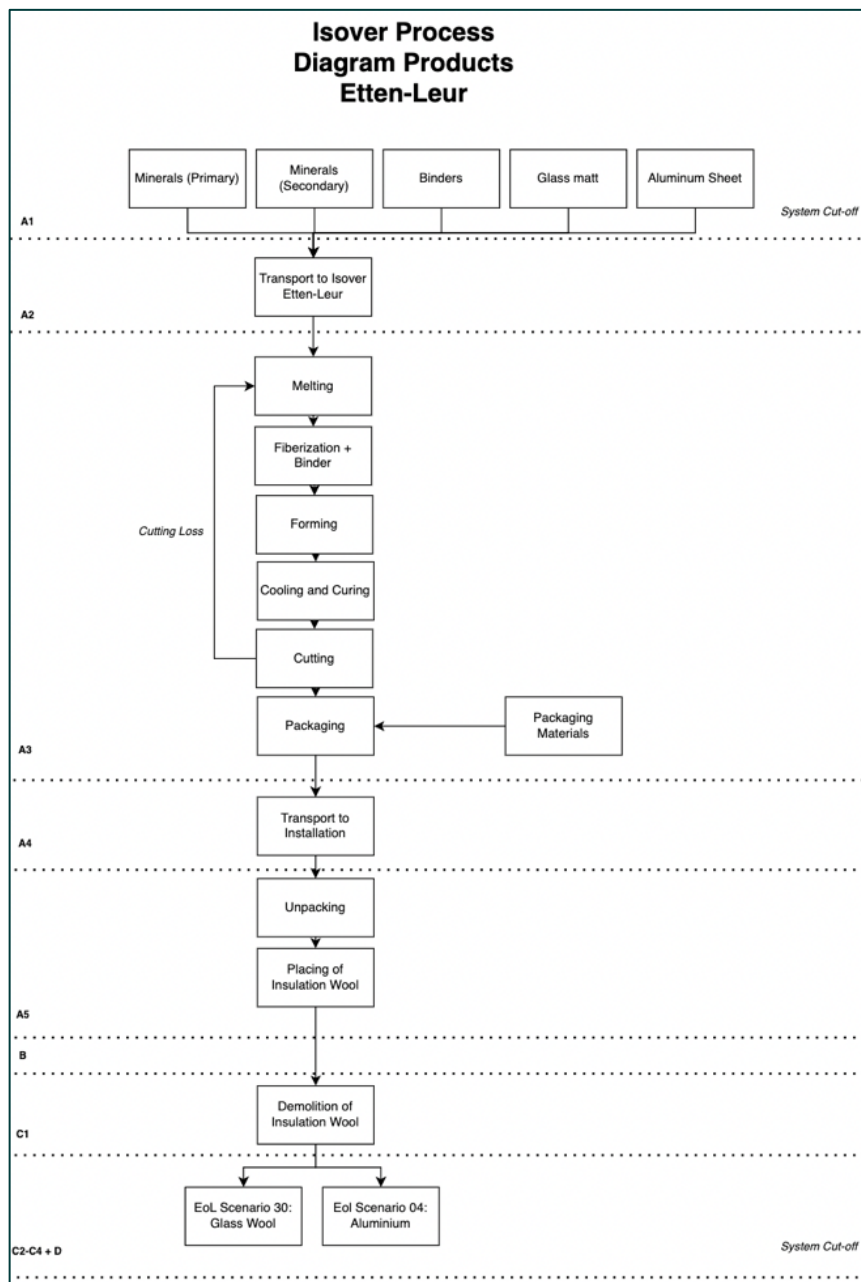
Scope of Declaration

| Lifecycle Stage | Module | Declared | Description |
|---|--------|----------|-------------------------------------|
| Production stage | A1 | X | Raw Material supply |
| | A2 | X | Transport |
| | A3 | X | Manufacturing |
| Construction stage | A4 | X | Transport |
| | A5 | X | Installation |
| Use stage | B1 | X | Use |
| | B2 | X | Maintenance |
| | B3 | X | Repair |
| | B4 | X | Replacement |
| | B5 | X | Refurbishment |
| | B6 | X | Operational Energy Use |
| | B7 | X | Operational Water Use |
| End-of-Life stage | C1 | X | Deconstruction |
| | C2 | X | Transport |
| | C3 | X | Waste Processing |
| | C4 | X | Disposal |
| Benefits and loads beyond the system boundaries | D | X | Reuse, Recycle, Recycling potential |

X = Module Declared
MND = Module Not Declared



Process Diagram



Detailed Product Description

General Product Information

Rigid glass wool board faced on one side with special glass fleece, for fire-safe, thermal and acoustic insulation in renovation applications such as lining walls, partition walls and pitched roofs.

Environmental product declaration per m² based on glass wool component thickness of 45 mm, in which glass wool component is scalable on thickness (in mm). Total weight of product is 1,11 kg/m². Weight of scalable component is 1,08 kg/m². Lambda-value of product is 0,034 W/m*K. R-declared-value is 1,35 m²·K/W. Reference service life is 75 years.

This EPD is a component based EPD, as is explained in the section “EPD Application” below.

Components (<1%)

| Component | Mass (kg) | Mass (%) |
|--------------------------|-----------|----------|
| Glass Wool (45 mm thick) | 1,08 | 97,30% |
| Non-Scalable Component | 0,03 | 2,70% |

Example Image



Figure: Representation of product

EPD Application.

EPD Components

This EPD is constructed as a component EPD, as is in line with the NMD Assessment Method 1.2. Through the combination of the two or more individual components, specific product results can be constructed. The components consist of:

| Component | Explanation | Component Scalable? |
|----------------------------|--|---|
| Glass Wool (EPD) | Glass wool component which is declared for a specific thickness in this EPD. | Yes, on any thickness produced by Saint Gobain Etten-Leur. ¹ |
| Non-Scalable Component (B) | Non scalable layer which consists of one or more glass fibre / aluminium sheets. | No |

¹ - In case scaling range in detailed product description = 0 mm, this implies Saint Gobain only produces 1 specific thickness of the product as of publication of EPD.

Result Calculation

EPD product specific results can be calculated on the base of this document by following the formula below.

EPD Results = Glass Wool (EPD) + Non-Scalable Component (B).

In case results of another specific thickness needs to be generated, this can be done by following the following formula:

Specific Results = Glass Wool (A) + Non-Scalable Component (B)

in which:

Glass Wool (A) = Glass Wool (EPD) / EPD Thickness (in mm) * Specific Thickness (in mm)



Results EN15804+A1 – Glass Wool (EPD) – in m²

| Set 1 | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|--------------------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| ECI A1 | euro | 0,14 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,15 |
| ECI A1 | euro | 1,45E-01 | 2,61E-03 | 3,01E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,70E-03 | 4,02E-04 | 6,70E-04 | -5,71E-05 | 1,53E-01 |
| Core Impact Indicators | | | | | | | | | | | | | | | |
| ADPE | kg Sb eq | 1,58E-05 | 5,54E-07 | 3,36E-07 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,60E-07 | 2,63E-08 | 4,42E-08 | -2,76E-10 | 1,71E-05 |
| ADPF | kg Sb eq | 9,61E-03 | 1,59E-04 | 1,99E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,04E-04 | 2,60E-05 | 6,46E-05 | -8,70E-06 | 1,02E-02 |
| GWP1 | kg CO2 eq | 1,13E+00 | 2,17E-02 | 2,35E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,41E-02 | 2,88E-03 | 4,74E-03 | -9,48E-04 | 1,19E+00 |
| ODP1 | kg CFC-11 eq | 1,17E-07 | 3,85E-09 | 2,50E-09 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,50E-09 | 6,02E-10 | 1,58E-09 | -1,10E-10 | 1,27E-07 |
| POCP | kg C2H4 | 4,70E-04 | 1,31E-05 | 9,99E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,50E-06 | 2,89E-06 | 5,05E-06 | -1,36E-07 | 5,10E-04 |
| AP | kg SO2 eq | 4,97E-03 | 9,53E-05 | 1,04E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,20E-05 | 1,89E-05 | 3,47E-05 | -6,18E-07 | 5,28E-03 |
| EP | kg PO4--- eq | 1,15E-03 | 1,87E-05 | 2,38E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,22E-05 | 3,87E-06 | 6,69E-06 | -8,94E-08 | 1,22E-03 |
| Toxicity Indicators for Dutch Market | | | | | | | | | | | | | | | |
| HTP | kg 1,4-DB eq | 5,32E-01 | 9,13E-03 | 1,10E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,93E-03 | 1,42E-03 | 2,14E-03 | -4,94E-05 | 5,61E-01 |
| FAETP | kg 1,4-DB eq | 2,71E-02 | 2,66E-04 | 5,52E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,73E-04 | 2,34E-05 | 5,09E-05 | -5,04E-07 | 2,81E-02 |
| MAETP | kg 1,4-DB eq | 7,06E+01 | 9,59E-01 | 1,45E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,23E-01 | 8,29E-02 | 1,82E-01 | -2,24E-03 | 7,39E+01 |
| TETP | kg 1,4-DB eq | 3,86E-03 | 3,23E-05 | 7,84E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,10E-05 | 4,62E-06 | 5,39E-06 | -1,56E-07 | 4,00E-03 |

ECI A1 = Environmental Cost Indicator (Milieukosten Indicator (MKI) in Dutch); ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources; GWP1 = Global warming potential; ODP1 = Depletion potential of the stratospheric ozone layer; POCP = Formation potential of tropospheric ozone photochemical oxidants; AP = Acidification potential of land and water; EP = Eutrophication potential; HTP = Human toxicity potential; FAETP = Freshwater aquatic ecotoxicity potential; MAETP = Marine aquatic ecotoxicity potential; TETP = Terrestrial ecotoxicity potential

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Results EN15804+A2 – Glass Wool (EPD) – in m²

| Set 2 | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|--------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| ECI A2 | euro | 0,21 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,23 |
| ECI A2 | euro | 2,12E-01 | 4,90E-03 | 4,48E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,19E-03 | 1,79E-03 | 1,48E-03 | -1,27E-04 | 2,28E-01 |
| GWP2 | kg CO2 eq | 1,19E+00 | 2,42E-02 | 2,48E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,57E-02 | 3,33E-03 | 5,58E-03 | -9,97E-04 | 1,26E+00 |
| GWP-F | kg CO2 eq | 1,18E+00 | 2,40E-02 | 2,47E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,56E-02 | 3,20E-03 | 5,58E-03 | -9,97E-04 | 1,26E+00 |
| GWP-B | kg CO2 eq | 1,09E-03 | 3,75E-05 | 2,80E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,44E-05 | 1,21E-04 | 3,19E-06 | -2,18E-07 | 1,30E-03 |
| GWP-L | kg CO2 eq | 3,53E-03 | 8,57E-05 | 7,36E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,57E-05 | 2,67E-06 | 3,37E-06 | -7,13E-08 | 3,75E-03 |
| ODP2 | kg CFC11 eq | 5,56E-08 | 4,28E-10 | 1,13E-09 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,78E-10 | 7,17E-11 | 1,61E-10 | -5,26E-11 | 5,76E-08 |
| AP2 | mol H+ eq | 7,28E-03 | 1,15E-04 | 1,51E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 7,48E-05 | 2,37E-05 | 4,20E-05 | -6,62E-07 | 7,69E-03 |
| EP-FW | kg P eq | 3,22E-05 | 2,39E-07 | 6,54E-07 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,55E-07 | 3,89E-08 | 5,44E-08 | -1,86E-09 | 3,34E-05 |
| EP-M | kg N eq | 1,58E-03 | 4,38E-05 | 3,36E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,84E-05 | 9,77E-06 | 1,60E-05 | -2,50E-07 | 1,71E-03 |
| EP-T | mol N eq | 2,67E-02 | 4,67E-04 | 5,54E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,03E-04 | 1,06E-04 | 1,73E-04 | -2,74E-06 | 2,83E-02 |
| POCP2 | kg NMVOC eq | 3,31E-03 | 1,59E-04 | 7,33E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,04E-04 | 3,43E-05 | 6,02E-05 | -1,49E-06 | 3,74E-03 |
| ADP-MM | kg Sb eq | 6,31E-05 | 7,53E-08 | 1,27E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,89E-08 | 5,32E-09 | 7,75E-09 | -2,53E-10 | 6,45E-05 |
| ADP-F | MJ | 1,70E+01 | 3,44E-01 | 3,55E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,24E-01 | 5,57E-02 | 1,39E-01 | -1,55E-02 | 1,81E+01 |
| WDP | m3 depriv. | 7,06E-01 | 2,11E-03 | 1,43E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,37E-03 | 5,40E-04 | 6,24E-03 | -8,17E-05 | 7,30E-01 |
| PM | disease inc. | 7,19E-08 | 2,37E-09 | 1,58E-09 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,54E-09 | 2,26E-09 | 9,19E-10 | -3,39E-12 | 8,06E-08 |
| IR | kBq U-235 eq | 1,33E-02 | 1,34E-04 | 2,73E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,73E-05 | 3,51E-05 | 3,67E-05 | -1,45E-06 | 1,39E-02 |
| ETP-FW | CTUe | 8,13E+00 | 2,54E-01 | 1,73E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,65E-01 | 2,85E-02 | 6,53E-02 | -4,21E-04 | 8,82E+00 |
| HTP-C | CTUh | 4,99E-10 | 1,27E-11 | 1,05E-11 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,28E-12 | 2,48E-12 | 2,37E-12 | -1,17E-13 | 5,35E-10 |
| HTP-NC | CTUh | 9,49E-09 | 2,77E-10 | 2,00E-10 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,80E-10 | 1,80E-11 | 2,97E-11 | -1,05E-12 | 1,02E-08 |
| SQP | Pt | 3,91E+00 | 2,72E-01 | 9,39E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,77E-01 | 6,25E-02 | 2,76E-01 | -2,31E-04 | 4,79E+00 |

ECI A2 = Environmental Cost Indicator (Milieukosten Indicator (MKI) in Dutch); GWP2 = Climate change - Total; GWP-F = Climate change - Fossil; GWP-B = Climate change - Biogenic; GWP-L = Climate change - Land use and LU change; ODP2 = Ozone depletion; AP2 = Acidification; EP-FW = Eutrophication, freshwater; EP-M = Eutrophication, marine; EP-T = Eutrophication, terrestrial; POCP2 = Photochemical ozone formation; ADP-MM = Resource use, minerals and metals; ADP-F = Resource use, fossils; WDP = Water use; PM = Particulate matter; IR = Ionising radiation; ETP-FW = Ecotoxicity, freshwater; HTP-C = Human toxicity, cancer; HTP-NC = Human toxicity, non-cancer; SQP = Land use

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Results Parameters – Glass Wool (EPD) – in m²

| Parameter | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|-------------------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Resource Use | | | | | | | | | | | | | | | |
| PERE | MJ | 7,28E+00 | 4,87E-03 | 1,46E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,16E-03 | 1,05E-03 | 1,18E-03 | -7,20E-05 | 7,44E+00 |
| PERM | MJ | 3,47E-03 | 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 | 0,00E+00 | 0,00E+00 | 3,47E-03 |
| PERT | MJ | 7,28E+00 | 4,87E-03 | 1,46E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,16E-03 | 1,05E-03 | 1,18E-03 | -7,20E-05 | 7,44E+00 |
| PENRE | MJ | 1,66E+01 | 3,45E-01 | 3,56E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,24E-01 | 5,57E-02 | 1,39E-01 | -1,55E-02 | 1,77E+01 |
| PENRM | MJ | 4,22E-01 | 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 | 0,00E+00 | 0,00E+00 | 4,22E-01 |
| PENRT | MJ | 1,70E+01 | 3,45E-01 | 3,56E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,24E-01 | 5,57E-02 | 1,39E-01 | -1,55E-02 | 1,82E+01 |
| PET | MJ | 2,43E+01 | 3,50E-01 | 5,02E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,27E-01 | 5,68E-02 | 1,40E-01 | -1,56E-02 | 2,56E+01 |
| SM | kg | 5,70E-01 | 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 | 0,00E+00 | 0,00E+00 | 5,70E-01 |
| SF-R | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| SF-NR | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| FW | m3 | 1,78E-02 | 8,87E-05 | 3,62E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,76E-05 | 1,60E-05 | 1,50E-04 | -1,28E-06 | 1,84E-02 |
| Waste Categories | | | | | | | | | | | | | | | |
| HWD | kg | 6,91E-05 | 2,20E-06 | 1,47E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,43E-06 | 3,12E-07 | 7,37E-07 | -6,59E-08 | 7,51E-05 |
| NHWD | kg | 1,38E-01 | 2,28E-02 | 2,41E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,48E-02 | 1,09E-01 | 9,18E-01 | -1,75E-05 | 1,23E+00 |
| RWD | kg | 1,00E-05 | 7,88E-08 | 2,04E-07 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,12E-08 | 2,46E-08 | 2,05E-08 | -1,03E-09 | 1,04E-05 |
| Output Flows | | | | | | | | | | | | | | | |
| 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| MFR | kg | 2,70E-03 | 0,00E+00 | 1,75E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,08E-01 | 0,00E+00 | 0,00E+00 | 1,11E-01 |
| MER | MJ | 1,35E-03 | 0,00E+00 | 3,11E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,40E-02 | 0,00E+00 | 0,00E+00 | 5,54E-02 |
| EE-E | MJ | 0,00E+00 | 0,00E+00 | 2,31E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,13E-03 | 0,00E+00 | 0,00E+00 | 4,36E-03 |
| EE-T | MJ | 0,00E+00 | 0,00E+00 | 3,98E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 7,12E-03 | 0,00E+00 | 0,00E+00 | 7,51E-03 |

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials [MJ]; PERM = Use of renewable primary energy resources used as raw materials [MJ]; PERT = Total use of renewable primary energy resources [MJ]; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials [MJ]; PENRM = Use of non-renewable primary energy resources used as raw materials [MJ]; PENRT = Total use of non-renewable primary energy resources [MJ]; PET = Total Energy [MJ]; SM = Use of secondary material [kg]; SF-R = Use of renewable secondary fuels [MJ]; SF-NR = Use of non-renewable secondary fuels [MJ]; FW = Use of net fresh water [m3]; HWD = Hazardous waste disposed [kg]; NHWD = Non-hazardous waste disposed [kg]; RWD = Radioactive waste disposed [kg]; CRU = Components for re-use [kg]; MFR = Materials for recycling [kg]; MER = Materials for energy recovery [kg]; EE-E = Exported electric energy [MJ]; EE-T = Exported thermal energy [MJ]

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Results EN15804+A1 – Non-Scalable Component (B) – in m²

| Set 1 | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|--------------------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ECI A1 | euro | 0,01 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| ECI A1 | euro | 1,09E-02 | 7,26E-05 | 2,21E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,72E-05 | 1,12E-05 | 1,86E-05 | 0,00E+00 | 1,13E-02 |
| Core Impact Indicators | | | | | | | | | | | | | | | |
| ADPE | kg Sb eq | 9,18E-07 | 1,54E-08 | 1,89E-08 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,00E-08 | 7,31E-10 | 1,23E-09 | 0,00E+00 | 9,64E-07 |
| ADPF | kg Sb eq | 6,57E-04 | 4,43E-06 | 1,33E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,88E-06 | 7,21E-07 | 1,80E-06 | 0,00E+00 | 6,81E-04 |
| GWP1 | kg CO2 eq | 8,29E-02 | 6,02E-04 | 1,68E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,91E-04 | 8,01E-05 | 1,32E-04 | 0,00E+00 | 8,58E-02 |
| ODP1 | kg CFC-11 eq | 7,31E-09 | 1,07E-10 | 1,51E-10 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,94E-11 | 1,67E-11 | 4,39E-11 | 0,00E+00 | 7,70E-09 |
| POCP | kg C2H4 | 4,17E-05 | 3,63E-07 | 8,50E-07 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,36E-07 | 8,03E-08 | 1,40E-07 | 0,00E+00 | 4,34E-05 |
| AP | kg SO2 eq | 4,48E-04 | 2,65E-06 | 9,08E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,72E-06 | 5,25E-07 | 9,64E-07 | 0,00E+00 | 4,63E-04 |
| EP | kg PO4--- eq | 6,84E-05 | 5,20E-07 | 1,39E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,38E-07 | 1,07E-07 | 1,86E-07 | 0,00E+00 | 7,09E-05 |
| Toxicity Indicators for Dutch Market | | | | | | | | | | | | | | | |
| HTP | kg 1,4-DB eq | 4,25E-02 | 2,54E-04 | 8,60E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,65E-04 | 3,95E-05 | 5,96E-05 | 0,00E+00 | 4,39E-02 |
| FAETP | kg 1,4-DB eq | 1,06E-03 | 7,40E-06 | 2,14E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,81E-06 | 6,50E-07 | 1,41E-06 | 0,00E+00 | 1,09E-03 |
| MAETP | kg 1,4-DB eq | 3,17E+00 | 2,66E-02 | 6,45E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,73E-02 | 2,30E-03 | 5,05E-03 | 0,00E+00 | 3,29E+00 |
| TETP | kg 1,4-DB eq | 1,96E-04 | 8,96E-07 | 3,95E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,82E-07 | 1,28E-07 | 1,50E-07 | 0,00E+00 | 2,02E-04 |

ECI A1 = Environmental Cost Indicator (Milieukosten Indicator (MKI) in Dutch); ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources; GWP1 = Global warming potential; ODP1 = Depletion potential of the stratospheric ozone layer; POCP = Formation potential of tropospheric ozone photochemical oxidants; AP = Acidification potential of land and water; EP = Eutrophication potential; HTP = Human toxicity potential; FAETP = Freshwater aquatic ecotoxicity potential; MAETP = Marine aquatic ecotoxicity potential; TETP = Terrestrial ecotoxicity potential

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Results EN15804+A2 - Non-Scalable Component (B) – in m²

| Set 2 | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|--------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ECI A2 | euro | 0,02 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,02 |
| ECI A2 | euro | 1,57E-02 | 1,36E-04 | 3,20E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,85E-05 | 4,97E-05 | 4,10E-05 | 0,00E+00 | 1,63E-02 |
| GWP2 | kg CO2 eq | 8,70E-02 | 6,71E-04 | 1,77E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,36E-04 | 9,24E-05 | 1,55E-04 | 0,00E+00 | 9,01E-02 |
| GWP-F | kg CO2 eq | 8,62E-02 | 6,68E-04 | 1,75E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,34E-04 | 8,90E-05 | 1,55E-04 | 0,00E+00 | 8,93E-02 |
| GWP-B | kg CO2 eq | 5,85E-04 | 1,04E-06 | 1,18E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,77E-07 | 3,35E-06 | 8,87E-08 | 0,00E+00 | 6,02E-04 |
| GWP-L | kg CO2 eq | 1,44E-04 | 2,38E-06 | 2,96E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,55E-06 | 7,42E-08 | 9,36E-08 | 0,00E+00 | 1,51E-04 |
| ODP2 | kg CFC11 eq | 2,29E-09 | 1,19E-11 | 4,64E-11 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 7,73E-12 | 1,99E-12 | 4,48E-12 | 0,00E+00 | 2,36E-09 |
| AP2 | mol H+ eq | 5,69E-04 | 3,20E-06 | 1,15E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,08E-06 | 6,59E-07 | 1,17E-06 | 0,00E+00 | 5,88E-04 |
| EP-FW | kg P eq | 3,74E-06 | 6,64E-09 | 7,51E-08 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,32E-09 | 1,08E-09 | 1,51E-09 | 0,00E+00 | 3,83E-06 |
| EP-M | kg N eq | 9,96E-05 | 1,22E-06 | 2,05E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 7,90E-07 | 2,71E-07 | 4,46E-07 | 0,00E+00 | 1,04E-04 |
| EP-T | mol N eq | 1,68E-03 | 1,30E-05 | 3,41E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,43E-06 | 2,94E-06 | 4,80E-06 | 0,00E+00 | 1,74E-03 |
| POCP2 | kg NMVOC eq | 3,56E-04 | 4,43E-06 | 7,32E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,88E-06 | 9,51E-07 | 1,67E-06 | 0,00E+00 | 3,73E-04 |
| ADP-MM | kg Sb eq | 1,34E-06 | 2,09E-09 | 2,69E-08 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,36E-09 | 1,48E-10 | 2,15E-10 | 0,00E+00 | 1,37E-06 |
| ADP-F | MJ | 1,25E+00 | 9,57E-03 | 2,55E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,22E-03 | 1,55E-03 | 3,86E-03 | 0,00E+00 | 1,30E+00 |
| WDP | m3 depriv. | 3,47E-02 | 5,87E-05 | 6,99E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,82E-05 | 1,50E-05 | 1,73E-04 | 0,00E+00 | 3,56E-02 |
| PM | disease inc. | 5,01E-09 | 6,60E-11 | 1,04E-10 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,29E-11 | 6,29E-11 | 2,55E-11 | 0,00E+00 | 5,31E-09 |
| IR | kBq U-235 eq | 3,03E-03 | 3,73E-06 | 6,08E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,43E-06 | 9,75E-07 | 1,02E-06 | 0,00E+00 | 3,10E-03 |
| ETP-FW | CTUe | 3,94E-01 | 7,06E-03 | 8,17E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,59E-03 | 7,92E-04 | 1,81E-03 | 0,00E+00 | 4,17E-01 |
| HTP-C | CTUh | 2,59E-10 | 3,54E-13 | 5,19E-12 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,30E-13 | 6,88E-14 | 6,60E-14 | 0,00E+00 | 2,65E-10 |
| HTP-NC | CTUh | 9,03E-10 | 7,68E-12 | 1,83E-11 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 5,00E-12 | 5,00E-13 | 8,26E-13 | 0,00E+00 | 9,36E-10 |
| SQP | Pt | 3,05E-01 | 7,55E-03 | 6,54E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,91E-03 | 1,74E-03 | 7,67E-03 | 0,00E+00 | 3,34E-01 |

ECI A2 = Environmental Cost Indicator (Milieukosten Indicator (MKI) in Dutch); GWP2 = Climate change - Total; GWP-F = Climate change - Fossil; GWP-B = Climate change - Biogenic; GWP-L = Climate change - Land use and LU change; ODP2 = Ozone depletion; AP2 = Acidification; EP-FW = Eutrophication, freshwater; EP-M = Eutrophication, marine; EP-T = Eutrophication, terrestrial; POCP2 = Photochemical ozone formation; ADP-MM = Resource use, minerals and metals; ADP-F = Resource use, fossils; WDP = Water use; PM = Particulate matter; IR = Ionising radiation; ETP-FW = Ecotoxicity, freshwater; HTP-C = Human toxicity, cancer; HTP-NC = Human toxicity, non-cancer; SQP = Land use

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Results Parameters – Non-Scalable Component (B) – in m²

| Parameter | Unit | A1-A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | C1 | C2 | C3 | C4 | D | A1-D |
|------------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Resource Use | | | | | | | | | | | | | | | |
| PERE | MJ | 1,02E-01 | 1,35E-04 | 2,05E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,79E-05 | 2,92E-05 | 3,27E-05 | 0,00E+00 | 1,05E-01 |
| 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PERT | MJ | 1,02E-01 | 1,35E-04 | 2,05E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,79E-05 | 2,92E-05 | 3,27E-05 | 0,00E+00 | 1,05E-01 |
| PENRE | MJ | 1,25E+00 | 9,58E-03 | 2,55E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,23E-03 | 1,55E-03 | 3,86E-03 | 0,00E+00 | 1,30E+00 |
| 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PENRT | MJ | 1,25E+00 | 9,58E-03 | 2,55E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,23E-03 | 1,55E-03 | 3,86E-03 | 0,00E+00 | 1,30E+00 |
| PET | MJ | 1,35E+00 | 9,72E-03 | 2,75E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,32E-03 | 1,58E-03 | 3,89E-03 | 0,00E+00 | 1,40E+00 |
| SM | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| SF-R | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| SF-NR | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| FW | m ³ | 9,86E-04 | 2,46E-06 | 1,99E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,60E-06 | 4,45E-07 | 4,16E-06 | 0,00E+00 | 1,01E-03 |
| Waste Categories | | | | | | | | | | | | | | | |
| HWD | kg | 3,19E-06 | 6,10E-08 | 6,65E-08 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,97E-08 | 8,66E-09 | 2,05E-08 | 0,00E+00 | 3,39E-06 |
| NHWD | kg | 1,42E-02 | 6,32E-04 | 8,76E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,11E-04 | 3,02E-03 | 2,55E-02 | 0,00E+00 | 4,47E-02 |
| RWD | kg | 1,95E-06 | 2,19E-09 | 3,91E-08 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,42E-09 | 6,83E-10 | 5,70E-10 | 0,00E+00 | 1,99E-06 |
| Output Flows | | | | | | | | | | | | | | | |
| 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| MFR | kg | 8,02E-06 | 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 | 3,00E-03 | 0,00E+00 | 0,00E+00 | 3,01E-03 |
| MER | MJ | 4,01E-06 | 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 | 1,50E-03 | 0,00E+00 | 0,00E+00 | 1,50E-03 |
| EE-E | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| EE-T | 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 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials [MJ]; PERM = Use of renewable primary energy resources used as raw materials [MJ]; PERT = Total use of renewable primary energy resources [MJ]; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials [MJ]; PENRM = Use of non-renewable primary energy resources used as raw materials [MJ]; PENRT = Total use of non-renewable primary energy resources [MJ]; PET = Total Energy [MJ]; SM = Use of secondary material [kg]; SF-R = Use of renewable secondary fuels [MJ]; SF-NR = Use of non-renewable secondary fuels [MJ]; FW = Use of net fresh water [m³]; HWD = Hazardous waste disposed [kg]; NHWD = Non-hazardous waste disposed [kg]; RWD = Radioactive waste disposed [kg]; CRU = Components for re-use [kg]; MFR = Materials for recycling [kg]; MER = Materials for energy recovery [kg]; EE-E = Exported electric energy [MJ]; EE-T = Exported thermal energy [MJ]

Environmental Product Declaration

Environmental declaration according to EN 15804+A2 & NMD Assessment Method 1.2



Biogenic Carbon Content

In the table below, information describing the biogenic carbon content at factory gate (A1-A3) is described.

| Biogenic Carbon Content | Amount (in kg C) |
|--|------------------|
| Biogenic Carbon in Product | 0,00 |
| Biogenic Carbon in Packaging | 0,00 |
| Note: 1 kg biogenic carbon (C) is equivalent to 44/12 kg CO ₂ | |

If the mass of biogenic carbon containing materials in the product is less than 5% of the mass of the product, the declaration of biogenic carbon may be omitted (= 0 kg).

If the mass of biogenic carbon containing materials in the packaging is less than 5% of the mass of the product, the declaration of biogenic carbon may be omitted (= 0 kg).



Disclaimers on Indicators

According to EN15804+A2, the following disclaimers shall be made.

| Disclaimer | Statement |
|---------------------|--|
| <i>Disclaimer 1</i> | 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 disposals in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator. |
| <i>Disclaimer 2</i> | 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. |

The disclaimers from the table above apply to the relevant core and additional environmental impact indicators defined below and follow the ILCD classification.

| ILCD Classification | Indicator | Disclaimer |
|---------------------|---|------------|
| <i>ILCD Type 1</i> | Global warming potential (GWP) | None |
| | Depletion potential of the stratospheric ozone layer (ODP) | None |
| | Potential incidence of disease due to PM emissions (PM) | None |
| <i>ILCD Type 2</i> | Acidification potential, accumulated exceedance (AP) | None |
| | Eutrophication potential, fraction of nutrients reaching freshwater end compartment (EP-FW) | None |
| | Eutrophication potential, fraction of nutrients reaching marine end compartment (EP-M) | None |
| | Eutrophication potential, accumulated exceedance (EP-T) | None |
| | Formation potential of tropospheric ozone (POCP) | None |
| | Potential human exposure efficiency relative to U235 (IR) | 1 |
| <i>ILCD Type 3</i> | Abiotic depletion potential for non-fossil resources (ADP-MM) | 2 |
| | Abiotic depletion potential for fossil resources (ADP-F) | 2 |
| | Water (user) deprivation potential, deprivation-weighted water consumption (WDP) | 2 |
| | Potential comparative toxic unit for ecosystems (ETP-FW) | 2 |
| | Potential comparative toxic unit for humans (HTP-C) | 2 |
| | Potential comparative toxic unit for humans (HTP-NC) | 2 |
| | Potential soil quality index (SQP) | 2 |



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