

Result summary

VINYL WALLCOVERING WITH 30% RECYCLED CONTENT 440 G/M2

Vescom BV

| | |
|---------------------|---------------|
| Calculation number: | ReTHiNK-95127 |
| Generation on: | 19-03-2025 |
| Issue date: | 19-03-2025 |
| Valid until: | 19-03-2030 |
| Status: | verified |

R<THiNK



1 General information

1.1 PRODUCT

VINYL WALLCOVERING WITH 30% RECYCLED CONTENT 440 G/M2

1.2 VALIDITY

Issue date: 19-03-2025

Valid until: 19-03-2030

1.3 OWNER OF THE DECLARATION



Manufacturer: Vescom BV

Address: Sint Jozefstraat 20, 5753 AV Deurne

E-mail: sales@vescom.com

Website: www.vescom.com

Production location: Vescom BV

Address production location: Sint Jozefstraat 20, 5753 AV Deurne

1.4 VERIFICATION OF THE DECLARATION

The independent verification is in accordance with the ISO 14025:2011. The LCA is in compliance with ISO 14040:2006 and ISO 14044:2006. The EN 15804:2012+A2:2019 serves as the core PCR.

Internal External



Gert-Jan Vroege, Eco Intelligence

1.5 PRODUCT CATEGORY RULES

EN15804+A2:2019

1.6 FUNCTIONAL UNIT

m2 Wallcovering

Production (A1-A3) up to- and including end of life phase (C1-D) of one square meter of vinyl wallcovering. Including delivery (A4), mounting on the wall (A5), and maintenance during the product life cycle of 25 years (B1-B7). Emissions during the construction phase are not included.

Reference unit: square meter (m2)

1.7 CONVERSION FACTORS

| Description | Value | Unit |
|----------------|-------|------|
| Reference unit | 1 | m2 |

1 General information

| Description | Value | Unit |
|---------------------------|----------|------|
| Weight per reference unit | 0.440 | kg |
| Conversion factor to 1 kg | 2.272727 | m2 |

1.8 SCOPE OF DECLARATION AND SYSTEM BOUNDARIES

This is a Cradle to gate with options, modules C1-C4 and module D EPD. The life cycle stages included are as shown below:

(X = module included, ND = module not declared)

| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| X | X | X | X | X | X | X | X | ND | ND | ND | ND | X | X | X | X | X |

The modules of the EN15804 contain the following:

| | |
|---------------------------------|--|
| Module A1 = Raw material supply | Module B5 = Refurbishment |
| Module A2 = Transport | Module B6 = Operational energy use |
| Module A3 = Manufacturing | Module B7 = Operational water use |
| Module A4 = Transport | Module C1 = De-construction / Demolition |

| | |
|---|--|
| Module A5 = Construction - Installation process | Module C2 = Transport |
| Module B1 = Use | Module C3 = Waste Processing |
| Module B2 = Maintenance | Module C4 = Disposal |
| Module B3 = Repair | Module D = Benefits and loads beyond the product system boundaries |
| Module B4 = Replacement | |

1.9 COMPARABILITY

In principle, a comparison or assessment of the environmental impacts of different products is only possible if they have been prepared in accordance with EN 15804+A2. For the evaluation of the comparability, the following aspects have to be considered in particular: PCR used, functional or declared unit, geographical reference, the definition of the system boundary, declared modules, data selection (primary or secondary data, background database, data quality), scenarios used for use and disposal phases, and the life cycle inventory (data collection, calculation methods, allocations, validity period). PCRs and general program instructions of different EPD program operators may differ. Comparability needs to be evaluated. For further guidance, see EN 15804+A2 (5.3 Comparability of EPD for construction products) and ISO 14025 (6.7.2 Requirements for comparability).

2 Product

2.1 PRODUCT DESCRIPTION

Vescom vinyl wallcovering consists of a vinyl topcoat, printed with water based inks on a cotton backing. It is mainly used as a decorative wallcovering, mounted on interior walls with the use of Vescom adhesive.

The main component of Vescom recycled vinyl wallcovering 440 g/m² is PVC, which contains 30% of recycled post-industrial PVC waste. This PVC film is laminated to a cotton substrate. The wallcovering is mounted on a wall with Vescom adhesive.

Weight / m² = 440 gr

Performance demands (Certificates, quality marks, norms, etc.)

- CE Marking
- French A+ emission class

It's expected that there are no significant environmental impacts during the use-stage and during the removal (lifecycle phase C1) of the wallcovering when it's done manually. Therefore it's estimated that the environmental impacts during these lifecycle phases are less than the cut-off criteria (<1%), so they are excluded from the calculation.

A flow diagram of the whole lifecycle is part of this EPD as a separate attachment.

LCA-performer: Pien van den Heuvel (SO), Michel Lemmen (Vescom)
Contact Vescom BV: Hanna Kohnen

2.2 DESCRIPTION PRODUCTION PROCESS

The water based inks are applied on the printing machines. After that, the cotton backing is laminated and the pattern is embossed on the calender machines. Last step is inspecting and packing on the inspection tables. Energy consumption is monitored on a monthly basis. No allocation takes place. Waste during the production process is based on actual quantities and monitored on a weekly base as percentage of the total output. This is included in the LCA calculation.

2.3 CONSTRUCTION DESCRIPTION

The wallcovering is applied manually with glue. The glue is taken into account for this LCA. It's estimated that the environmental impacts of other materials during this lifecycle phase is less than the cut-off criteria (<1%), so they are excluded from the calculation.

The wallcovering should be applied in sequence from one production lot. First make a strip placement plan. Where several rolls are to be applied, start with the highest roll number. Cut the strips at wall height + 4cm; this is to allow for trimming at ceiling and skirting level. Number the strips. Only use black graphite pencil for this purpose. Follow the directional hanging instructions and other instructions supplied in the roll. Place the plumb line (black graphite pencil) in such a manner that the material overlaps the corner / inside angle by 2 cm. Apply adhesive to the substrate using a short-haired synthetic roller in a width of strip + 20 cm.

3 Results

3.1 ENVIRONMENTAL IMPACT INDICATORS PER SQUARE METER

CORE ENVIRONMENTAL IMPACT INDICATORS EN15804+A2

| Abbr. | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|-----------|------------------------|----------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| GWP-total | kg CO ₂ eq. | 9.74E-1 | 4.42E-2 | 2.40E-1 | 1.26E+0 | 6.21E-5 | 6.47E-1 | 0.00E+0 | 2.47E-1 | 0.00E+0 | 0.00E+0 | 8.91E-3 | 1.17E+0 | 0.00E+0 | -4.12E-1 | 2.92E+0 |
| GWP-f | kg CO ₂ eq. | 1.08E+0 | 4.42E-2 | 2.70E-1 | 1.39E+0 | 6.21E-5 | 6.19E-1 | 0.00E+0 | 2.46E-1 | 0.00E+0 | 0.00E+0 | 8.91E-3 | 1.17E+0 | 0.00E+0 | -4.12E-1 | 3.02E+0 |
| GWP-b | kg CO ₂ eq. | -1.38E-1 | 1.70E-5 | -3.52E-2 | -1.73E-1 | 2.50E-8 | 2.60E-2 | 0.00E+0 | 9.54E-4 | 0.00E+0 | 0.00E+0 | 3.59E-6 | 1.98E-4 | 0.00E+0 | -6.69E-5 | -1.46E-1 |
| GWP-luluc | kg CO ₂ eq. | 3.36E-2 | 1.49E-5 | 5.17E-3 | 3.87E-2 | 2.28E-8 | 1.99E-3 | 0.00E+0 | 1.01E-4 | 0.00E+0 | 0.00E+0 | 3.27E-6 | 8.93E-5 | 0.00E+0 | -2.49E-5 | 4.09E-2 |
| ODP | kg CFC 11 eq. | 3.54E-7 | 1.03E-8 | 5.02E-8 | 4.14E-7 | 1.37E-11 | 3.32E-8 | 0.00E+0 | 2.11E-8 | 0.00E+0 | 0.00E+0 | 1.97E-9 | 3.52E-8 | 0.00E+0 | -5.42E-8 | 4.51E-7 |
| AP | mol H ⁺ eq. | 7.46E-3 | 3.60E-4 | 1.46E-3 | 9.29E-3 | 3.60E-7 | 1.25E-3 | 0.00E+0 | 1.61E-3 | 0.00E+0 | 0.00E+0 | 5.17E-5 | 4.99E-4 | 0.00E+0 | -3.54E-4 | 1.23E-2 |
| EP-fw | kg P eq. | 2.29E-4 | 3.22E-7 | 3.59E-5 | 2.65E-4 | 6.26E-10 | 1.65E-5 | 0.00E+0 | 1.05E-5 | 0.00E+0 | 0.00E+0 | 8.98E-8 | 3.37E-6 | 0.00E+0 | -5.80E-7 | 2.95E-4 |
| EP-m | kg N eq. | 8.25E-3 | 1.07E-4 | 1.06E-3 | 9.42E-3 | 1.27E-7 | 5.82E-4 | 0.00E+0 | 2.17E-4 | 0.00E+0 | 0.00E+0 | 1.82E-5 | 1.36E-4 | 0.00E+0 | -1.05E-4 | 1.03E-2 |
| EP-T | mol N eq. | 2.12E-2 | 1.19E-3 | 4.21E-3 | 2.66E-2 | 1.40E-6 | 2.55E-3 | 0.00E+0 | 3.33E-3 | 0.00E+0 | 0.00E+0 | 2.01E-4 | 1.52E-3 | 0.00E+0 | -1.17E-3 | 3.30E-2 |
| POCP | kg NMVOC eq. | 3.47E-3 | 3.37E-4 | 7.07E-4 | 4.52E-3 | 3.99E-7 | 6.48E-4 | 0.00E+0 | 6.87E-4 | 0.00E+0 | 0.00E+0 | 5.73E-5 | 4.03E-4 | 0.00E+0 | -3.83E-4 | 5.93E-3 |
| ADP-mm | kg Sb-eq. | 2.17E-5 | 7.12E-7 | 4.96E-6 | 2.73E-5 | 1.57E-9 | 3.02E-6 | 0.00E+0 | 1.76E-5 | 0.00E+0 | 0.00E+0 | 2.26E-7 | 1.37E-6 | 0.00E+0 | -1.47E-7 | 4.94E-5 |

GWP-total=Global Warming Potential total (GWP-total) | **GWP-f**=Global Warming Potential fossil fuels (GWP-fossil) | **GWP-b**=Global Warming Potential biogenic (GWP-biogenic) | **GWP-luluc**=Global Warming Potential land use and land use change (GWP-luluc) | **ODP**=Depletion potential of the stratospheric ozone layer (ODP) | **AP**=Acidification potential, Accumulated Exceedance (AP) | **EP-fw**=Eutrophication potential, fraction of nutrients reaching freshwater end compartment (EP-freshwater) | **EP-m**=Eutrophication potential, fraction of nutrients reaching marine end compartment (EP-marine) | **EP-T**=Eutrophication potential, Accumulated Exceedance (EP-terrestrial) | **POCP**=Formation potential of tropospheric ozone (POCP) | **ADP-mm**=Abiotic depletion potential for non fossil resources (ADP minerals&metals) | **ADP-f**=Abiotic depletion for fossil resources potential (ADP fossil) | **WDP**=Water (user) deprivation potential, deprivation-weighted water consumption (WDP)

3 Results

| Abbr. | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|-------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| ADP-f | MJ | 2.11E+1 | 6.78E-1 | 3.21E+0 | 2.50E+1 | 9.36E-4 | 3.05E+0 | 0.00E+0 | 2.63E+0 | 0.00E+0 | 0.00E+0 | 1.34E-1 | 8.06E-1 | 0.00E+0 | -6.90E+0 | 2.47E+1 |
| WDP | m3 world eq. | 7.99E+0 | 2.09E-3 | 9.21E-1 | 8.91E+0 | 3.35E-6 | 5.15E-1 | 0.00E+0 | 1.82E-1 | 0.00E+0 | 0.00E+0 | 4.81E-4 | 5.80E-2 | 0.00E+0 | -3.18E-2 | 9.64E+0 |

GWP-total=Global Warming Potential total (GWP-total) | **GWP-f**=Global Warming Potential fossil fuels (GWP-fossil) | **GWP-b**=Global Warming Potential biogenic (GWP-biogenic) | **GWP-luluc**=Global Warming Potential land use and land use change (GWP-luluc) | **ODP**=Depletion potential of the stratospheric ozone layer (ODP) | **AP**=Acidification potential, Accumulated Exceedance (AP) | **EP-fw**=Eutrophication potential, fraction of nutrients reaching freshwater end compartment (EP-freshwater) | **EP-m**=Eutrophication potential, fraction of nutrients reaching marine end compartment (EP-marine) | **EP-T**=Eutrophication potential, Accumulated Exceedance (EP-terrestrial) | **POCP**=Formation potential of tropospheric ozone (POCP) | **ADP-mm**=Abiotic depletion potential for non fossil resources (ADP minerals&metals) | **ADP-f**=Abiotic depletion for fossil resources potential (ADP fossil) | **WDP**=Water (user) deprivation potential, deprivation-weighted water consumption (WDP)

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS EN15804+A2

| Abbr. | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|--------|-------------------|---------|----------|----------|---------|----------|----------|---------|----------|---------|---------|----------|----------|---------|-----------|---------|
| PM | disease incidence | 4.99E-8 | 3.81E-9 | 1.11E-8 | 6.48E-8 | 5.57E-12 | 8.55E-9 | 0.00E+0 | 1.43E-8 | 0.00E+0 | 0.00E+0 | 7.99E-10 | 3.74E-9 | 0.00E+0 | -1.16E-9 | 9.10E-8 |
| IR | kBq U235 eq. | 5.98E-2 | 2.96E-3 | 9.80E-3 | 7.25E-2 | 3.92E-6 | 7.66E-3 | 0.00E+0 | 6.89E-3 | 0.00E+0 | 0.00E+0 | 5.63E-4 | 3.42E-3 | 0.00E+0 | -2.31E-3 | 8.88E-2 |
| ETP-fw | CTUe | 3.27E+1 | 5.31E-1 | 1.09E+1 | 4.40E+1 | 8.35E-4 | 4.77E+0 | 0.00E+0 | 9.97E+0 | 0.00E+0 | 0.00E+0 | 1.20E-1 | 1.47E+1 | 0.00E+0 | -5.31E-1 | 7.31E+1 |
| HTP-c | CTUh | 1.40E-9 | 1.49E-11 | 2.48E-10 | 1.66E-9 | 2.71E-14 | 7.24E-10 | 0.00E+0 | 1.88E-10 | 0.00E+0 | 0.00E+0 | 3.89E-12 | 2.14E-10 | 0.00E+0 | -2.82E-11 | 2.77E-9 |
| HTP-nc | CTUh | 2.20E-8 | 5.90E-10 | 5.46E-9 | 2.80E-8 | 9.15E-13 | 4.74E-9 | 0.00E+0 | 5.47E-9 | 0.00E+0 | 0.00E+0 | 1.31E-10 | 4.52E-9 | 0.00E+0 | -4.44E-10 | 4.25E-8 |
| SQP | Pt | 1.97E+1 | 7.14E-1 | 6.70E+0 | 2.71E+1 | 8.12E-4 | 2.05E+0 | 0.00E+0 | 2.41E+0 | 0.00E+0 | 0.00E+0 | 1.17E-1 | 2.47E-1 | 0.00E+0 | -1.59E+0 | 3.03E+1 |

PM=Potential incidence of disease due to PM emissions (PM) | **IR**=Potential Human exposure efficiency relative to U235 (IRP) | **ETP-fw**=Potential Comparative Toxic Unit for ecosystems (ETP-fw) | **HTP-c**=Potential Comparative Toxic Unit for humans (HTP-c) | **HTP-nc**=Potential Comparative Toxic Unit for humans (HTP-nc) | **SQP**=Potential soil quality index (SQP)

3 Results

CLASSIFICATION OF DISCLAIMERS TO THE DECLARATION OF CORE AND ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS

| ILCD classification | Indicator | Disclaimer |
|---------------------|---|------------|
| ILCD type / level 1 | Global warming potential (GWP) | None |
| | Depletion potential of the stratospheric ozone layer (ODP) | None |
| | Potential incidence of disease due to PM emissions (PM) | None |
| ILCD type / level 2 | Acidification potential, Accumulated Exceedance (AP) | None |
| | Eutrophication potential, Fraction of nutrients reaching freshwater end compartment (EP-freshwater) | None |
| | Eutrophication potential, Fraction of nutrients reaching marine end compartment (EP-marine) | None |
| | Eutrophication potential, Accumulated Exceedance (EP-terrestrial) | None |
| | Formation potential of tropospheric ozone (POCP) | None |
| ILCD type / level 3 | Potential Human exposure efficiency relative to U235 (IRP) | 1 |
| | Abiotic depletion potential for non-fossil resources (ADP-minerals&metals) | 2 |
| | Abiotic depletion potential for fossil resources (ADP-fossil) | 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 |

Disclaimer 1 – 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.

Disclaimer 2 – 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.

3 Results

3.2 INDICATORS DESCRIBING RESOURCE USE AND ENVIRONMENTAL INFORMATION BASED ON LIFE CYCLE INVENTORY (LCI)

PARAMETERS DESCRIBING RESOURCE USE

| Abbr. | Unit | A1 | A2 | A3 | A1- A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|-------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| PERE | MJ | 3.45E+0 | 8.18E-3 | 1.68E+0 | 5.14E+0 | 1.17E-5 | 3.45E-1 | 0.00E+0 | 3.14E-1 | 0.00E+0 | 0.00E+0 | 1.68E-3 | 8.75E-2 | 0.00E+0 | -2.87E-1 | 5.60E+0 |
| PERM | MJ | 0.00E+0 | 0.00E+0 | 3.12E-1 | 3.12E-1 | 0.00E+0 | 1.56E-2 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 3.28E-1 |
| PERT | MJ | 3.45E+0 | 8.18E-3 | 1.99E+0 | 5.45E+0 | 1.17E-5 | 3.60E-1 | 0.00E+0 | 3.14E-1 | 0.00E+0 | 0.00E+0 | 1.68E-3 | 8.75E-2 | 0.00E+0 | -2.87E-1 | 5.93E+0 |
| PENRE | MJ | 1.54E+1 | 7.20E-1 | 2.84E+0 | 1.90E+1 | 9.94E-4 | 2.86E+0 | 0.00E+0 | 2.82E+0 | 0.00E+0 | 0.00E+0 | 1.43E-1 | 8.56E-1 | 0.00E+0 | -7.64E+0 | 1.80E+1 |
| PENRM | MJ | 9.56E+0 | 0.00E+0 | 8.77E-1 | 1.04E+1 | 0.00E+0 | 5.34E-1 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | -1.18E-2 | 1.10E+1 |
| PENRT | MJ | 2.50E+1 | 7.20E-1 | 3.71E+0 | 2.94E+1 | 9.94E-4 | 3.40E+0 | 0.00E+0 | 2.82E+0 | 0.00E+0 | 0.00E+0 | 1.43E-1 | 8.56E-1 | 0.00E+0 | -7.65E+0 | 2.90E+1 |
| SM | Kg | 1.10E-1 | 0.00E+0 | 1.25E-2 | 1.23E-1 | 0.00E+0 | 6.14E-3 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 1.29E-1 |
| RSF | MJ | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 |
| NRSF | MJ | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 |
| FW | m ³ | 2.37E-1 | 7.34E-5 | 2.82E-2 | 2.65E-1 | 1.14E-7 | 1.51E-2 | 0.00E+0 | 4.81E-3 | 0.00E+0 | 0.00E+0 | 1.64E-5 | 1.71E-3 | 0.00E+0 | -4.18E-4 | 2.86E-1 |

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 material | **RSF**=Use of renewable secondary fuels | **NRSF**=Use of non-renewable secondary fuels | **FW**=Net use of fresh water

OTHER ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

| Abbr. | Unit | A1 | A2 | A3 | A1- A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|-------|------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| HWD | Kg | 2.04E-5 | 1.55E-6 | 1.16E-5 | 3.35E-5 | 2.37E-9 | 3.70E-6 | 0.00E+0 | 4.70E-6 | 0.00E+0 | 0.00E+0 | 3.41E-7 | 1.57E-6 | 0.00E+0 | -8.74E-6 | 3.51E-5 |
| NHWD | Kg | 1.04E-1 | 5.37E-2 | 7.40E-2 | 2.32E-1 | 5.94E-5 | 2.44E-1 | 0.00E+0 | 3.01E-1 | 0.00E+0 | 0.00E+0 | 8.52E-3 | 4.57E-1 | 0.00E+0 | -3.19E-3 | 1.24E+0 |
| RWD | Kg | 5.28E-5 | 4.64E-6 | 9.34E-6 | 6.67E-5 | 6.16E-9 | 7.89E-6 | 0.00E+0 | 8.23E-6 | 0.00E+0 | 0.00E+0 | 8.84E-7 | 2.87E-6 | 0.00E+0 | -3.39E-6 | 8.32E-5 |

HWD=Hazardous waste disposed | **NHWD**=Non-hazardous waste disposed | **RWD**=Radioactive waste disposed

3 Results

ENVIRONMENTAL INFORMATION DESCRIBING OUTPUT FLOWS

| Abbr. | Unit | A1 | A2 | A3 | A1- A3 | A4 | A5 | B1 | B2 | B3 | C1 | C2 | C3 | C4 | D | Total |
|-------|------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CRU | Kg | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 |
| MFR | Kg | 0.00E+0 | 0.00E+0 | 1.22E-2 | 1.22E-2 | 0.00E+0 | 1.64E-2 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 2.85E-2 |
| MER | Kg | 0.00E+0 | 0.00E+0 | 3.82E-5 | 3.82E-5 | 0.00E+0 | 1.91E-6 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 4.01E-5 |
| EET | MJ | 0.00E+0 | 0.00E+0 | 2.31E-1 | 2.31E-1 | 0.00E+0 | 5.20E-5 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 3.08E+0 | 3.31E+0 |
| EEE | MJ | 0.00E+0 | 0.00E+0 | 1.34E-1 | 1.34E-1 | 0.00E+0 | 3.01E-5 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 0.00E+0 | 1.79E+0 | 1.92E+0 |

CRU=Components for re-use | MFR=Materials for recycling | MER=Materials for energy recovery | EET=Exported Energy, Thermic | EEE=Exported Energy, Electric

3 Results

3.3 INFORMATION ON BIOGENIC CARBON CONTENT PER SQUARE METER

BIOGENIC CARBON CONTENT

The following Information describes the biogenic carbon content in (the main parts of) the product at the factory gate per square meter:

| Biogenic carbon content | Amount | Unit |
|---|----------|------|
| Biogenic carbon content in the product | 0.03848 | kg C |
| Biogenic carbon content in accompanying packaging | 0.008909 | kg C |

UPTAKE OF BIOGENIC CARBON DIOXIDE

The following amount of carbon dioxide uptake is taken into account. Related uptake and release of carbon dioxide in downstream processes are not taken into account in this number although they do appear in the presented results. One kilogram of biogenic Carbon content is equivalent to 44/12 kg of biogenic carbon dioxide uptake.

| Uptake Biogenic Carbon dioxide | Amount | Unit |
|--------------------------------|---------|-------------------|
| product | 0.1412 | kg CO2 (biogenic) |
| Packaging | 0.03267 | kg CO2 (biogenic) |

4 Contact information

| Publisher | Operator | Owner of declaration |
|---|--|--|
| <p data-bbox="286 434 416 469">VESCOM</p> <p data-bbox="94 587 304 671">Vescom BV Sint Jozefstraat 20 5753 AV Deurne, NL</p> <hr/> <p data-bbox="94 730 250 775">E-mail: sales@vescom.com</p> <p data-bbox="94 783 241 828">Website: www.vescom.com</p> | <p data-bbox="801 434 931 469">VESCOM</p> <p data-bbox="609 587 819 671">Vescom BV Sint Jozefstraat 20 5753 AV Deurne, NL</p> <hr/> <p data-bbox="609 730 766 775">E-mail: sales@vescom.com</p> <p data-bbox="609 783 757 828">Website: www.vescom.com</p> | <p data-bbox="1317 434 1447 469">VESCOM</p> <p data-bbox="1124 587 1335 671">Vescom BV Sint Jozefstraat 20 5753 AV Deurne, NL</p> <hr/> <p data-bbox="1124 730 1281 775">E-mail: sales@vescom.com</p> <p data-bbox="1124 783 1272 828">Website: www.vescom.com</p> |