COMPANY INFORMATION / DECLARATION OWNER
Manufacturer: Vescom BV
Production Location: Vescom BV
Address: Sint Jozefstraat 20
5753 AV Deurne
E-mail: info@vescom.com
Website: www.vescom.com

EPD INFORMATION
Calculation number: EPD-NIBE-20200518-9299
Date of issue: 20-04-2020
End of validity: 20-04-2025
Version NIBE's EPD Application: v2.0
Version database: v2.90 (2020-04-29)
PCR: Horizontal PCR INSIDE/INSIDE v1.2 2018-12-10

VERIFICATION OF THE DECLARATION
CEN standard EN 15804:2012 serves as the core PCR
Independent verification of the declaration, according to EN ISO 14025:2010.

I hereby confirm that, following detailed examination as independent 3rd party verifier, I have not been able to trace any relevant deviations by the Environmental Product Declaration(s), issued for Vinyl wallcovering by Vescom and by its project report from the requirements outlined in the corresponding product category regulations based on the horizontal PCR of INSIDE/INSIDE and the corresponding product group PCR Horizontal PCR INSIDE/INSIDE v1.2 2018-12-10

The company-specific data have been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity.

The project report on the Life Cycle Assessment and the report(s) on features of environmental relevance are filed at [NIBE, LCA practioner: Joost van Leeuwen].

Third party verifier: review by A.K. Jeeninga, Advieslab v.o.f.

DECLARED 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.

SCOPE OF DECLARATION

<table>
<thead>
<tr>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>A4</th>
<th>A5</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>B6</th>
<th>B7</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
<th>C4</th>
<th>D</th>
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<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>X</td>
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</table>

(X = included, MND = module not declared)

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 vinyl wallcovering 350 g/m2 is PVC. This PVC film is laminated to a cotton substrate. The wallcovering is mounted on a wall with Vescom adhesive.

Weight / m2 = 350 gr

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

- CE Marking
- French A+ emission class
- IMO wheelmark

It's expected that there are no significant environmental impacts during

DESCRIPTION OF THE MANUFACTURING 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.
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.

EPD of interior design products may not be comparable if they do not comply with the INSIDE horizontal PCR.

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

LCA-performer: Joost van Leeuwen (NIBE)
Contact Vescom BV: Twan Ramaekers
**RESULTS**

<table>
<thead>
<tr>
<th>Impact category</th>
<th>Unit</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>A4</th>
<th>A5</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
<th>C4</th>
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<th>Total</th>
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<tbody>
<tr>
<td><strong>ADPE</strong></td>
<td>Kg</td>
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<td>4.98E-8</td>
<td>7.46E-7</td>
<td>3.93E-7</td>
<td>7.17E-7</td>
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<td>0.00E+0</td>
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<td>Mj</td>
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<td>Kg SO2</td>
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<td><strong>ODP</strong></td>
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</tbody>
</table>

### Impact categories
- **ADPE**: Depletion of abiotic resources—elements
- **ADPF**: Depletion of abiotic resources—fossil resources
- **AP**: Acidification of soil and water
- **ODP**: Ozone layer depletion
- **GWP**: Global warming
- **EP**: Eutrophication
- **POCP**: Photochemical oxidants creation

### Parameters
- **PERE**: renewable primary energy ex. raw materials
- **PERM**: renewable primary energy used as raw materials
- **PERT**: Ozone layer depletion total
- **PERRE**: non-renewable primary energy ex. raw materials
- **PERRM**: non-renewable primary energy used as raw materials
- **PERRT**: Ozone layer depletion total
- **SM**: Use of secondary material
- **RSF**: abiotic depletion of fossil resources
- **NRSF**: abiotic depletion of non-renewable secondary materials
- **FW**: Use of net fresh water
- **SM**: Use of secondary material
- **HWD**: Hazardous waste disposed
- **NHWD**: Non-hazardous waste disposed
- **CRU**: Components for re-use
- **MFR**: Materials for recycling
- **MER**: Materials for energy recovery
- **EE**: Exported energy
- **EET**: Exported Energy Electric

### ADDITIONAL INFORMATION

**Allocation**

Not applicable in this LCA.