ENVIRONMENTAL PRODUCT DECLARATION
According ISO 14025 and EN 15804

VINYL WALLCOVERING 460G/M2

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-20200518-9300
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 practitioner: Joost van Leeuwen].

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>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>MND</td>
<td>MND</td>
<td>MND</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</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 460 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 = 460 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

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.
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 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>
<th>D</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADPE</td>
<td>Kg Sl</td>
<td>2.35E-6</td>
<td>6.77E-8</td>
<td>8.14E-7</td>
<td>1.96E-10</td>
<td>7.16E-7</td>
<td>2.83E-6</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>2.66E-8</td>
<td>1.04E-6</td>
<td>7.39E-10</td>
<td>-2.96E-8</td>
<td>7.81E-6</td>
<td></td>
</tr>
<tr>
<td>ADPF</td>
<td>Mj</td>
<td>3.67E+1</td>
<td>6.23E-1</td>
<td>7.23E+0</td>
<td>1.06E-3</td>
<td>2.97E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>1.44E-1</td>
<td>3.58E+0</td>
<td>1.34E-2</td>
<td>4.75E+1</td>
<td>-7.07E+0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP</td>
<td>Kg SO2</td>
<td>7.89E-3</td>
<td>2.59E-4</td>
<td>1.01E-3</td>
<td>2.97E-9</td>
<td>1.14E-3</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>4.05E-5</td>
<td>1.31E-3</td>
<td>4.09E-6</td>
<td>-3.35E-4</td>
<td>1.28E-2</td>
</tr>
<tr>
<td>ODP</td>
<td>Kg CFC-11</td>
<td>1.73E-6</td>
<td>7.46E-9</td>
<td>3.62E-8</td>
<td>1.27E-11</td>
<td>9.55E-8</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>9.34E-3</td>
<td>9.45E-1</td>
<td>6.95E-3</td>
<td>-3.70E-1</td>
<td>4.07E+0</td>
</tr>
<tr>
<td>GWP</td>
<td>Kg CO2</td>
<td>2.05E+0</td>
<td>4.02E-2</td>
<td>4.84E-1</td>
<td>6.90E-5</td>
<td>6.20E-1</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>9.48E-1</td>
<td>9.45E-3</td>
<td>1.06E+0</td>
<td>-3.70E-1</td>
<td>1.28E-2</td>
</tr>
<tr>
<td>EP</td>
<td>Kg PO43</td>
<td>1.47E-3</td>
<td>3.74E-5</td>
<td>1.85E-4</td>
<td>5.98E-8</td>
<td>2.10E-4</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>8.10E-6</td>
<td>1.89E-4</td>
<td>4.64E-6</td>
<td>-5.42E-5</td>
<td>2.28E-3</td>
</tr>
<tr>
<td>POCP</td>
<td>Kg Ethene</td>
<td>1.56E-3</td>
<td>2.77E-5</td>
<td>1.76E-4</td>
<td>4.07E-8</td>
<td>1.68E-4</td>
<td>0.00E+0</td>
<td>0.01E-4</td>
<td>0.00E+0</td>
<td>0.00E+0</td>
<td>9.51E-4</td>
<td>1.73E-3</td>
<td>-9.27E-5</td>
<td>2.04E-3</td>
<td></td>
</tr>
</tbody>
</table>

### Parameters
- **POCP**: Photochemical oxidants creation
- **B1**: abiotic depletion of fossil resources
- **B2**: Renewable primary energy used as raw materials
- **B3**: Renewable primary energy total
- **C1**: Non-renewable primary energy used as raw materials
- **C2**: Non-renewable primary energy total
- **C3**: Exported energy
- **C4**: Exported energy electric
- **D**: Ozone layer depletion
- **NHWD**: Hazardous waste disposed
- **FW**: Fresh water usage
- **MFR**: Materials for recycling
- **MER**: Materials for energy recovery
- **CRU**: Components for re-use
- **MFR**: Materials for recycling
- **MER**: Materials for energy recovery
- **EE**: Exported energy
- **EET**: Exported energy electric

### Impact categories
- **EP**: Acidification of soil and water
- **AP**: Eutrophication
- **NHWD**: Non-hazardous waste disposed
- **FW**: Use of net fresh water
- **HWD**: Hazardous waste disposed
- **MFR**: Use of recycled secondary fuels
- **MER**: Use of non-renewable secondary fuels
- **EE**: Energy thermic
- **SP**: Energy electric

### Additional information
- Not applicable in this LCA.