

ENVIRONMENTAL PRODUCT DECLARATION

According to ISO 14025 and EN 15804



VINYL WALLCOVERING 350 G/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-20200518-9299
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. Internal External

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 INSIDEINSIDE 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].

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

SCOPE OF DECLARATION

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	MND	MND	MND	MND	X	X	X	X	X

(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

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.

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 calendar 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.

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The logo for Vescom, featuring the word "VESCOM" in a bold, black, sans-serif font. The letter "V" is stylized with a diagonal slash through it.

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 INSIDEINSIDE 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

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RESULTS

Impact category	Unit	A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D	Total
ADPE	Kg Sb	2.17E-6	4.98E-8	7.46E-7	1.42E-10	6.86E-7	0.00E+0	2.83E-6	0.00E+0	0.00E+0	1.89E-8	7.06E-7	5.44E-10	-1.85E-8	7.19E-6
ADPF	MJ	2.92E+1	4.74E-1	6.59E+0	7.65E-4	2.48E+0	0.00E+0	3.27E+0	0.00E+0	0.00E+0	1.02E-1	2.44E+0	9.83E-3	-	3.97E+1
AP	Kg SO2 Equiv.	6.83E-3	2.21E-4	8.58E-4	2.16E-7	1.05E-3	0.00E+0	1.53E-3	0.00E+0	0.00E+0	2.88E-5	8.96E-4	3.07E-6	-2.41E-4	1.12E-2
ODP	Kg CFC-11 Equiv.	1.72E-6	5.66E-9	3.23E-8	9.18E-12	9.24E-8	0.00E+0	1.54E-8	0.00E+0	0.00E+0	1.23E-9	8.78E-8	9.76E-11	-2.73E-8	1.93E-6
GWP	Kg CO2 Equiv.	1.70E+0	3.08E-2	4.26E-1	4.98E-5	5.83E-1	0.00E+0	2.80E-1	0.00E+0	0.00E+0	6.65E-3	6.50E-1	5.93E-3	-2.54E-1	3.43E+0
EP	Kg PO43- Equiv.	1.32E-3	3.01E-5	1.61E-4	4.32E-8	1.98E-4	0.00E+0	2.34E-4	0.00E+0	0.00E+0	5.77E-6	1.30E-4	4.29E-6	-4.10E-5	2.04E-3
POCP	Kg Ethene Equiv.	1.16E-3	2.18E-5	1.35E-4	2.94E-8	1.44E-4	0.00E+0	1.01E-4	0.00E+0	0.00E+0	3.93E-6	6.57E-5	1.45E-6	-6.53E-5	1.57E-3
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	D	Total
PERE	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
PERM	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
PERT	MJ	4.00E+0	7.60E-3	1.11E+0	1.05E-5	6.19E-2	0.00E+0	2.65E-1	0.00E+0	0.00E+0	1.40E-3	2.20E-1	3.41E-4	-5.31E-1	5.14E+0
PENRE	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
PENRM	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
PENRT	MJ	3.30E+1	5.09E-1	6.90E+0	8.20E-4	2.74E+0	0.00E+0	2.98E+0	0.00E+0	0.00E+0	1.09E-1	2.35E+0	1.04E-2	-	4.36E+1
SM	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
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
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
FW	M3	9.65E-2	9.61E-5	1.70E-3	1.47E-7	6.03E-3	0.00E+0	5.09E-3	0.00E+0	0.00E+0	1.97E-5	1.47E-3	9.93E-6	-3.03E-4	1.11E-1
HWD	Kg	6.82E-5	3.50E-6	2.80E-5	5.66E-9	1.01E-5	0.00E+0	1.04E-5	0.00E+0	0.00E+0	7.56E-7	1.57E-5	6.88E-8	-5.95E-6	1.31E-4
NHWD	Kg	9.99E-2	3.34E-2	2.60E-2	4.71E-5	5.38E-2	0.00E+0	5.06E-2	0.00E+0	0.00E+0	6.29E-3	4.74E-2	3.56E-2	-2.11E-3	3.51E-1
RWD	Kg	4.81E-5	3.23E-6	1.14E-5	5.19E-9	7.26E-6	0.00E+0	6.71E-6	0.00E+0	0.00E+0	6.92E-7	7.93E-6	5.63E-8	-2.03E-6	8.34E-5
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
MFR	Kg	0.00E+0	0.00E+0	1.27E-3	0.00E+0	1.85E-3	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.48E-2	0.00E+0	0.00E+0	1.79E-2
MER	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
EE	MJ	0.00E+0	0.00E+0	2.49E-1	0.00E+0	1.01E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	2.99E+0	4.25E+0
EET	MJ	0.00E+0	0.00E+0	1.58E-1	0.00E+0	6.39E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.89E+0	2.69E+0
EEE	MJ	0.00E+0	0.00E+0	9.16E-2	0.00E+0	3.71E-1	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	1.10E+0	1.56E+0
SP	s€	s€ 0,13	s€ 0,00	s€ 0,03	s€ 0,00	s€ 0,04	s€ 0,00	s€ 0,02	s€ 0,00	s€ 0,00	s€ 0,00	s€ 0,04	s€ 0,00	s€ -0,01	s€ 0,24

Impact categories: ADPE=Depletion of abiotic resources-elements | ADPF=abiotic depletion of 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=renewable primary energy total | PENRE=non-renewable primary energy ex. raw materials | PENRM=non-renewable primary energy used as raw materials | PENRT=non-renewable primary energy total | SM=use of secondary material | RSF=use of renewable secondary fuels | NRSF=use of non-renewable secondary fuels | FW=use of net fresh water | HWD=hazardous waste disposed | NHWD=non hazardous waste disposed | RWD=radioactive waste disposed | CRU=Components for re-use | MFR=Materials for recycling | MER=Materials for energy recovery | EE=Exported energy | EET=Exported Energy Thermic | EEE=Exported Energy Electric

ADDITIONAL INFORMATION

Allocation

Not applicable in this LCA.