Environmental Product Declaration

In accordance with ISO 14025 and EN 15804:2012+A2:2019/AC:2021 for:

Single product

Freya tiles

From

ege®

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	EPD-IES-0028529
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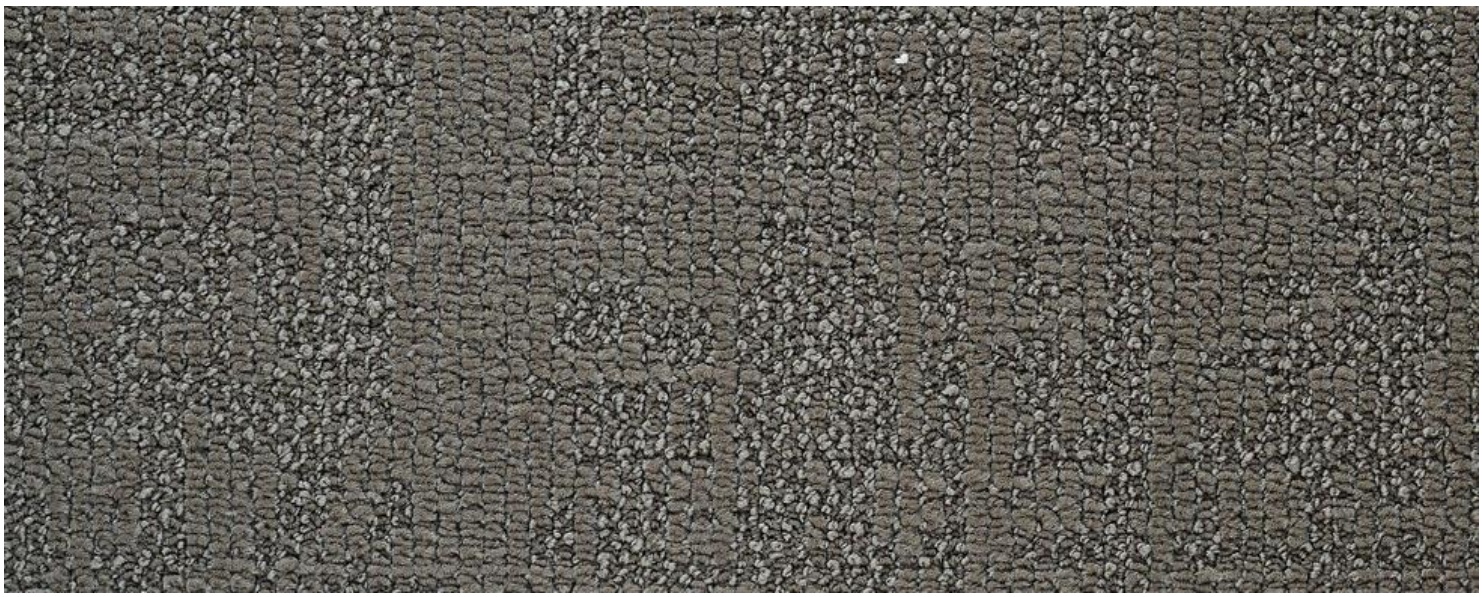
An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com.



General information

Programme information

Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
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Accountabilities for PCR, LCA and independent, third-party verification
Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): *PCR 2019:14 Construction products (EN 15804:A2)(2.0.1)* *c-PCR-004 Resilient, textile and laminate floor coverings (EN 16810) version: 2024-04-30*
PCR review was conducted by: The Technical Committee of the International EPD System. See www.environdec.com for a list of members. Review Chair: Rob Rouwette (chair), Noa Meron (co-chair). The review panel may be contacted via the Secretariat www.environdec.com/contact.
Life Cycle Assessment (LCA)
LCA accountability: *Tyréns Sverige AB*
verification
External and independent ('third-party') verification of the declaration and data, according to ISO 14025:2006, via EPD verification through: ☒ Fully pre-verified EPD tool Third-party verifier: Accountable for the tool and EPD verification: Marcus Wendin, Miljögiraff AB, Fully pre-verified tool:Tyréns EPD-generator 3.1.0 – Ege Carpets. Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☐Yes ☒No

The EPD owner has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but registered in different EPD programs, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterization factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD:
Ege Carpets A/S
Industrivej nord 25, 7400 Herning
Denmark

Contact:
Camilla Aalbæk Jacobsen,
ESG Manager
Tel. direct: +45 97 11 74 86
E-mail: caja@egecarpets.com

Description of the organisation:
Ege Carpets is a leading Danish carpet manufacturer that supplies high-quality tufted and woven design carpets, carpet tiles, and rugs to the global market. The group consists of four Danish production units and a yarn spinning mill in Lithuania. For more than 25 years, sustainability has been a core element of the business.

Name and location of production site(s):
Ege Carpets Herning North; Industrivej nord 25, DK-7400 Herning, Denmark
Ege Carpets Gram; Industrivej 3, DK-6510 Gram, Denmark
Ege Carpets Røjle; Fabrikvej 5, DK-5500 Røjle, Denmark

Product information

Product name: Freya tiles
Product identification: Carpet tile
Product description: Tufted carpet tile with regenerated PA6 pile material and ECT350 felt (PET) backing. Continuous dyeing method. Total thickness: approx. 8.5 mm. Surface pile mass 950 g/m2. Use classes according to CEN/TS 15398 : Class 33 – Commercial – Heavy. Depending on several factors such as the construction of the carpet and where it is installed, the technical lifetime may vary from 15 up to 30 years. We recommend using a technical lifetime of 15-20 years when implementing the data presented in this EPD in building LCAs.
UN CPC code: 272

Geographical scope:
EPD is valid for the European market
Module A1 and A2 Material suppliers are Global
Module A3 production is located in Denmark
Module A4,A5, B, C and D scenarios are for Europe

LCA information

Functional unit / declared unit: 1 m2 of installed floor covering

Conversion factor for the product is 2.7 kg per m2

Reference service life: 1 year

Time representativeness: The LCA is based on production data from 05.2023-04.2024 but is deemed to be representative of an average year of production.

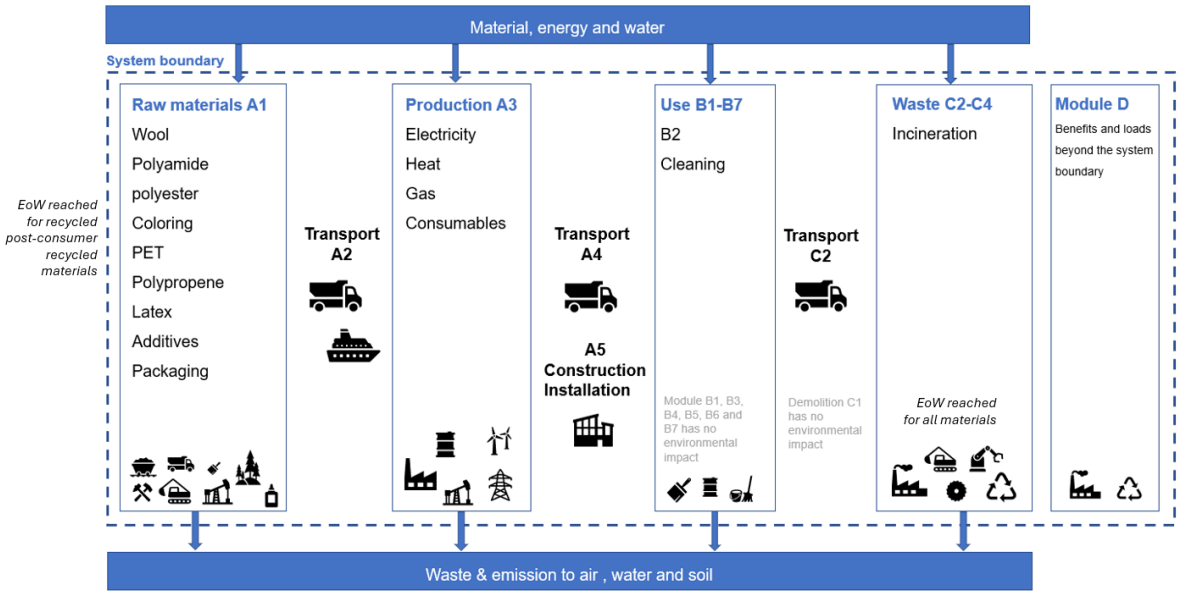
Database(s) and LCA software used: The LCA software is SimaPro Flow version 2.47 and the database is Ecoinvent 3.10. When modelling in Simapro, Ecoinvent data (updated November 2023) has been used for secondary data.

Description of system boundaries:
This is a Cradle to Grave with modules A+B+C+D
(All results for B1 and B3-B7 are zero and therefore not shown in result tables)

Fully pre-verified EPD tool: This EPD is generated by Tyréns EPD-generator 3.1.0 – Ege Carpets. The tool is verified Marcus Wendin, Miljögiraff AB.

Allocation of recycled input materials: Pre-consumer recycled materials (industrial waste), based on secondary data, are assigned environmental impacts from virgin materials using economic allocation.

System diagram:



Production

The carpets and carpet tiles are manufactured through several stages. First, the carpets are either woven at Ege Carpets in Røjle or tufted in Herning North or Gram. The pile materials used in the weaving or tufting process include wool, a mixture of wool and virgin polyamide 6.6, virgin polyamide 6.6, virgin polyamide 6, recycled polyamide 6, or a mixture of virgin polyamide 6.6 and polyester.

Next, some of the carpets are dyed. During the dyeing process, acid dyes, alkaline dyes, and dye auxiliaries are applied.

Following this, they undergo the backing process. In this stage, materials such as PET, PP, polyester, and latex are added to the carpet, along with fillers and flame retardants.

Carpets designated to become carpet tiles are then cut in Herning. During tile cutting, latex and foaming agents are incorporated.

Carpets that are produced in multiple factories are allocated the impact from all the factories that they undergo any production stage in. All carpets are stored and distributed in Herning.

Maintenance
Once the carpet is installed, the use stage begins, requiring continuous cleaning throughout its service life (B2). In line with to EN16810 (2017) B1 and B3-B7 are set to zero and the reference service life is one year. In result tables B1 and B3-B7 are zero and are therefore not shown.

End-of-life
Results for module C are based on a disposal scenario assuming 100% landfilling. An alternative scenario with 100% incineration is available under Additional Information, allowing the carpet customer to choose the most relevant end-of-life option for their context.

At end of use please consider returning eligible carpet tiles to us through EGE ReUse to avoid landfilling or incineration, see additional information.

More information:
This EPD is generated with a Fully pre-verified EPD tool. All processes are fixed and variable input data for each product i.e constituent material/components (Items) is governed by a menu. The results of the EPD is checked for plausibility. The review of the EPD-generator its constituent processes and the fixed content of the EPD is accepted based on the verification of the tool and the first EPD verification by the tool. Identification name and version number of the EPD-generator: Tyréns EPD-generator 3.1.0 – Ege Carpets

EPD of floor covering products may not be comparable if they do not comply with EN16810:2017.

Results for the additional impact categories particulate matter, ionising radiation, ecotoxicity (freshwater), human toxicity (cancer), human toxicity (non-cancer) and land use is not declared.

EN 15804 reference package based on EF 3.1 has been used.

Electricity data
The electricity used comes from renewable sources. The energy mix consists of 100% wind power. The climate impact from the energy mix is 0.021 kg CO2eq. per kWh (GWP-GHG).

Estimates and assumptions

- Wooden pallets are assumed to be circulated 25 times, A1.
- Recycled Polyamide 6 without EPD is assumed to be from industry (pre-consumer), A1
- An average distribution between the dye auxiliaries has been used, A1
- Some EPDs do not provide clear data on how recycled materials are divided between pre- and post-consumer sources. For those EPD 50% pre-consumer and 50% post-consumer is assumed, A1.
- An average transport distance is used for materials with multiple suppliers, A2
- For lubricants, the density of 0.8 kg / liter is assumed, A3
- The spillage is evenly distributed among all carpets produced in the factory, regardless of whether they go through one or multiple production stages, A3
- Transport to construction site is assumed to an average distance of 1000 km, A4
- Carpets and carpet tiles are assumed to be vacuumed 252 times per year and wet cleaned 1.5 times per year , B2
- The distance to the dismantling facility and the waste processing facility is assumed to be 50 km and transported by Euro 5 lorry, A5
- The distance to the dismantling facility and the waste processing facility is assumed to be 80 km and transported by Euro 5 lorry, C2
- Results for module C is based on a disposal scenario with 100% landfilling. An additional scenario with 100 % incineration can be found under additional information.
- Efficiency of the heating plant in module D in the additional disposal scenario is assumed to be 80 % and the proportion of energy converted to electricity 23% respectively heat 77%.

Background data
The data quality of the background data is considered good. The assessment considers all available data from the production process, including all raw materials and auxiliary materials used as well as the energy consumption in relation to available Ecoinvent 3.10 datasets and EPD's.

The infrastructure or capital goods used in the product system for underlying processes are included for upstream and downstream processes, as infrastructure or capital goods can NOT be excluded in SimaPro FLOW. Therefore results of the impact categories abiotic depletion of minerals and metals, land use, human toxicity (cancer), human toxicity, noncancer and ecotoxicity (freshwater) may be highly uncertain in LCAs that include capital goods/infrastructure in secondary datasets, in case infrastructure/capital goods contribute greatly to the total results. This is because the LCI data of infrastructure/capital goods used to quantify these indicators in currently available secondary datasets sometimes lack temporal, technological and geographical representativeness. Caution should be exercised when using the results of these indicators for decision-making purposes. For core module infrastructure or capital goods are excluded.

Data quality
When modeling in Simapro, Ecoinvent data (updated November 2023) has been used for secondary data. The database is considered to be of high quality. For some material supplier's product specific

and third party verified EPD’s has been used. The EPD’s used is of high quality. Some EPD lack information regarding propotion of pre- and post consumer recycled material for recycled materials which leads to uncertainties regarding this aspect in this EPD. Certain EPDs do not provide clear data on how recycled materials are divided between pre- and post-consumer sources, which leads to uncertainty in interpretation.

Indata gathered from the actual manufacturing plant with product-specific processes, specific amounts, specific waste, and spillage %, specific energy mix, specific transportation distances and transportation type and EPD’s from some of the suppliers are primary data. Primary data are collected directly from supplier and production site.

The percentage primary data is estimated in this EPD for module A1-A3. Primary data are related to amount of energy, transportation and direct emission used throughout module A1-A3 and underlying EPD:s. The Reported share of primary data is associated with uncertainty, as one or several EPDs that are used as data sources lack information on the percentage of primary data used

Modules declared, geographical scope, share of primary data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	GLO	GLO	DK	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU
Primary data used	46% *			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	0%			-	-	-	-	-	-	-	-	-	-	-		-	-
Variation – sites	0%			-	-	-	-	-	-	-	-	-	-	-		-	-

**The share of primary data is calculated based on GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant aspects of data quality and is not comparable across product categories. See also data quality for more information*

Process	***Source type and Source***	***Reference year***	***Data category***	***Share of primary data, of GWP-GHG results for A1- A3***
Manufacturing of product, inclusive generation of electricity used in manufacturing of product	*Collected production data (EPD owner) & Electricity data from Ecoinvent v 3.10*	*2023-2024*	*Primary data*	18%
Transport of materials & packaging to manufacturing site	*Databases Ecoinvent v3.10*	*2023-2024*	*Primary data*	5%
Production of ingoing materials and packaging	*EPDs & Databases Ecoinvent v3.10*	*< 5 years old*	*Primary data, secondary data*	22%
Total share of primary data, of GWP-GHG results for A1-A3				46%

Content information

Product components	Weight, kg	Post-consumer material, weight-%	Biogenic material, weight % and kg C/declared unit
Dye	0.03	0.00 %	0.00 %
Polyester	0.35	92.00 %	0.00 %
Polyamide	0.94	50.00 %	0.00 %
Polypropylene	0.02	0.00 %	0.00 %
Additive	<0.01	0.00 %	0.00 %
Latex	0.52	0.00 %	0.00 %
Inorganic filler	0.15	0.00 %	0.00 %
PET	0.07	0.00 %	0.00 %
Flame retardant	0.63	0.00 %	0.00 %
TOTAL	2.71	29.17 %	0.00 %
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	**Weight biogenic carbon, kg C/declared unit**
Wood	0.10	3.82 %	0.05
Cardboard & Paper	0.25	9.23 %	0.12
TOTAL	0.35	13.05 %	0.18

1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO_2.

Dangerous substances from the candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight-% per functional or declared unit
-	-	-	< 0.00

Environmental Information

LCA results of the product- main environmental performance results

Results for module C is based on a disposal scenario with 100% landfilling. An additional scenario with 100 % incineration can be found under additional information.

Mandatory impact category indicators according to EN 15804

Results per 1 m2 of installed floor covering										
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-fossil	kg CO_2 eq.	6.76E+00	5.11E-01	8.46E-02	3.85E-01	9.92E-04	5.16E-02	0.00E+00	7.53E-03	0.00E+00
GWP-biogenic	kg CO_2 eq.	2.46E-01	3.50E-04	3.02E-01	5.14E-03	1.08E-07	3.54E-05	0.00E+00	1.99E-05	0.00E+00
GWP-luluc	kg CO_2 eq.	3.22E-02	1.67E-04	3.59E-06	3.10E-03	8.61E-08	1.69E-05	0.00E+00	7.84E-07	0.00E+00
GWP-total	kg CO_2 eq.	7.04E+00	5.12E-01	3.86E-01	3.93E-01	9.92E-04	5.17E-02	0.00E+00	7.55E-03	0.00E+00
ODP	kg CFC 11 eq.	1.36E-06	1.02E-08	4.09E-10	6.70E-09	1.52E-11	1.03E-09	0.00E+00	1.16E-10	0.00E+00
AP	mol H^+ eq.	2.87E-02	1.60E-03	3.91E-04	1.97E-03	8.95E-06	1.61E-04	0.00E+00	6.67E-05	0.00E+00
EP-freshwater	kg P eq.	1.23E-03	3.41E-05	1.50E-06	3.26E-04	2.90E-08	3.44E-06	0.00E+00	2.22E-07	0.00E+00
EP-marine	kg N eq.	8.64E-03	5.39E-04	2.65E-04	4.00E-04	4.15E-06	5.44E-05	0.00E+00	3.08E-05	0.00E+00
EP-terrestrial	mol N eq.	7.33E-02	5.86E-03	2.01E-03	3.18E-03	4.55E-05	5.92E-04	0.00E+00	3.38E-04	0.00E+00
POCP	kg NMVOC eq.	3.04E-02	2.50E-03	5.07E-04	1.08E-03	1.36E-05	2.53E-04	0.00E+00	1.01E-04	0.00E+00
ADP-minerals&metals*	kg Sb eq.	2.31E-05	1.63E-06	3.99E-08	1.02E-06	3.54E-10	1.65E-07	0.00E+00	3.08E-09	0.00E+00
ADP-fossil*	MJ	7.87E+01	5.89E-01	1.79E-02	6.19E+00	5.26E-04	5.95E-02	0.00E+00	4.11E-03	0.00E+00
WDP*	m^3	1.12E+01	3.99E-02	1.34E-02	3.52E-01	3.80E-05	4.03E-03	0.00E+00	3.12E-04	0.00E+00
Acronyms		GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption								

Disclaimer: The results of modules A1-A3 should not be used without considering the results of module C. The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.

**Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Additional mandatory and voluntary impact category indicators

Results per 1 m2 of installed floor covering										
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG[1]	kg CO_2 eq.	6.81E+00	5.11E-01	8.46E-02	3.89E-01	9.92E-04	5.16E-02	0.00E+00	7.53E-03	0.00E+00

Disclaimer: The results of modules A1-A3 should not be used without considering the results of module C. The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.

Resource use indicators

Results per 1 m2 of installed floor covering										
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	5.96E+01	1.22E-01	4.77E-03	2.20E+00	7.96E-05	1.23E-02	0.00E+00	2.93E-03	0.00E+00
PERM*	MJ	6.09E+00	0.00E+00	-5.94E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	6.57E+01	1.22E-01	-5.94E+00	2.20E+00	7.96E-05	1.23E-02	0.00E+00	2.93E-03	0.00E+00
PENRE	MJ	5.88E+01	6.14E-01	1.87E-02	6.38E+00	5.50E-04	6.20E-02	0.00E+00	4.29E-03	0.00E+00
PENRM*	MJ.	7.23E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.61E+01	0.00E+00
PENRT	MJ	1.31E+02	6.14E-01	1.87E-02	6.38E+00	5.50E-04	6.20E-02	0.00E+00	-5.61E+01	0.00E+00
SM	kg	1.20E+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
RSF	MJ	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	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
FW	m^3	1.40E+00	1.44E-03	6.43E-04	1.38E-02	1.55E-06	1.46E-04	0.00E+00	1.24E-05	0.00E+00
Acronyms		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 re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water								

Disclaimer: The results of modules A1-A3 should not be used without considering the results of module C.

**For the PERM and PENRM the new "GUIDANCE TO CALCULATING THE PRIMARY ENERGY USE INDICATORS" in Annex 3 of the PCR is followed and calculated according to option A.*

[1] The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus almost equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.

Waste indicators

Results per 1 m2 of installed floor covering										
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	7.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste disposed	kg	2.85E+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
Radioactive waste disposed	kg	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Disclaimer: The results of modules A1-A3 should not be used without considering the results of module C

Output flow indicators

Results per 1 m2 of installed floor covering										
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	3.21E+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
Materials for energy recovery	kg	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	4.94E+00	0.00E+00	1.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	5.82E+00	0.00E+00	6.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Disclaimer: The results of modules A1-A3 should not be used without considering the results of module C

Additional information

ID: EPD Calculation Ege carpets 04-02-2026 14:46

Information regarding how to safely and efficiently install, use and dispose the product can be found in the installation and maintenance guides available via Ege Carpets website.

Installation guide: https://www.egecarpets.com/technical-info/how-to-install-your-carpet
Maintenance guide: https://www.egecarpets.com/technical-info/how-to-maintain-your-carpet

Alternative end-of-waste scenario
Results for module C is based on a disposal scenario with 100% landfilling. The table below shows the results for each module if 100 % of the material would be incinerated.

Scenario: 100% of product go to energy recycling						
Indicator	**Unit**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-fossil	kg CO_2 eq.	9.92E-04	4.00E-02	6.13E+00	0.00E+00	-3.07E+00
GWP-biogenic	kg CO_2 eq.	1.08E-07	2.74E-05	1.07E-03	0.00E+00	0.00E+00
GWP-luluc	kg CO_2 eq.	8.61E-08	1.31E-05	2.19E-05	0.00E+00	-3.01E-03
GWP-total	kg CO_2 eq.	9.92E-04	4.01E-02	6.13E+00	0.00E+00	-3.10E+00
ODP	kg CFC 11 eq.	1.52E-11	7.96E-10	1.94E-09	0.00E+00	-2.97E-08
AP	mol H^+ eq.	8.95E-06	1.25E-04	1.30E-03	0.00E+00	-2.13E-02
EP-freshwater	kg P eq.	2.90E-08	2.67E-06	1.46E-05	0.00E+00	-1.66E-03
EP-marine	kg N eq.	4.15E-06	4.22E-05	7.75E-04	0.00E+00	-2.90E-03
EP-terrestrial	mol N eq.	4.55E-05	4.59E-04	6.55E-03	0.00E+00	-2.96E-02
POCP	kg NMVOC eq.	1.36E-05	1.96E-04	1.64E-03	0.00E+00	-9.37E-03
ADP-minerals&metals*	kg Sb eq.	3.54E-10	1.28E-07	2.45E-07	0.00E+00	-2.30E-06
ADP-fossil*	MJ	5.26E-04	4.61E-02	1.61E-01	0.00E+00	-2.78E+01
WDP*	m^3	3.80E-05	3.13E-03	2.99E-01	0.00E+00	-1.25E+00
Acronyms		GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption				

Ege ReUse
Ege ReUse is a newly established program where Ege Carpets offer to take back used carpet tiles for direct reuse. The purpose of the project is to offer reused carpet tiles on the European markets, as well as offering a non-waste end-of-life pathway for carpet tiles that are no longer needed in their current context. This disposal scenario is not included in the EPD results for module C or D in this study. The table can then be used together with the product weight to construct custom End-of-Life scenarios for different products. The disposal scenario assumes that the substituted carpet consists entirely of virgin material.

Material	C1 [kg CO2 eq./kg material]	C2 [kg CO2 eq./kg material]	C3 [kg CO2 eq./kg material]	C4 [kg CO2 eq./kg material]	D [kg CO2 eq./kg material]
Ege ReUse - 100% direct reuse	0	0	0	0	-3.87

Version history

Original Version of the EPD, 2026-02-23

ABBREVIATIONS

Abbreviation	Definition
General Abbreviations	
EN	European Norm (Standard)
EPD	Environmental Product Declaration
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
LCA	Life Cycle Assessment
PCR	Product Category Rules
c-PCR	Complementary Product Category Rules
CEN	European Committee for Standardization
CLC	Co-location centre
CPC	Central product classification
GHS	Globally harmonized system of classification and labelling of chemicals
GRI	Global Reporting Initiative
Environmental Impact Indicators (EN 15804)	
GHG	Greenhouse gas
GWP	Global Warming Potential (kg CO_2 eq.)
GWP-fossil	Global Warming Potential from fossil sources (kg CO_2 eq.)
GWP-biogenic	Global Warming Potential from biogenic sources (kg CO_2 eq.)
GWP-luluc	Global Warming Potential from land use and land use change (kg CO_2 eq.)
GWP-total	Total Global Warming Potential (kg CO_2 eq.)
GWP-GHG	Global Warming Potential for greenhouse gases (kg CO_2 eq.)
ODP	Ozone Depletion Potential (kg CFC-11 eq.)
AP	Acidification Potential (mol H^+ eq.)
EP	Eutrophication Potential
EP-freshwater	Freshwater eutrophication potential (kg P eq.)
EP-marine	Marine eutrophication potential (kg N eq.)
EP-terrestrial	Terrestrial eutrophication potential (mol N eq.)
POCP	Photochemical Ozone Creation Potential (kg NMVOC eq.)
ADP	Abiotic Depletion Potential
ADP-minerals&metals	Abiotic depletion potential for non-fossil resources (kg Sb eq.)
ADP-fossil	Abiotic depletion potential for fossil resources (MJ)
WDP	Water Deprivation Potential (m^3)
Resource Use Indicators	
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)
SM	Use of secondary material (kg)
RSF	Use of renewable secondary fuels (MJ)
NRSF	Use of non-renewable secondary fuels (MJ)

FW	Use of net fresh water (m^3)
Waste Indicators	
HW	Hazardous Waste (disposed) (kg)
NHW	Non-Hazardous Waste (disposed) (kg)
RW	Radioactive Waste (disposed) (kg)
Output Flow Indicators	
CFR	Components for Reuse (kg)
MR	Material for Recycling (kg)
MER	Materials for Energy Recovery (kg)
EEE	Exported Energy, Electricity (MJ)
EET	Exported Energy, Thermal (MJ)
Lifecycle Stages / Modules	
A1	Raw material supply
A2	Transport
A3	Manufacturing
A4	Transport to site
A5	Construction/Installation
B1	Use
B2	Maintenance
B3	Repair
B4	Replacement
B5	Refurbishment
B6	Operational energy use
B7	Operational water use
C1	Deconstruction/Demolition
C2	Transport to waste processing
C3	Waste processing
C4	Disposal
D	Reuse-Recovery-Recycling potential
Other Relevant Terms	
SVHC	Substances of Very High Concern
EC No.	European Community Number
CAS No.	Chemical Abstracts Service Number
MJ	Megajoule
kg	Kilogram
m^3	Cubic Meter
NMVOC	Non-Methane Volatile Organic Compounds
Sb eq.	Antimony Equivalents
P eq.	Phosphorus Equivalents
N eq.	Nitrogen Equivalents
CFC-11 eq.	Chlorofluorocarbon-11 Equivalents
CO_2 eq.	Carbon Dioxide Equivalents
kg C	Kilograms of Carbon
kg CO_2 eq.	Kilograms of Carbon Dioxide Equivalent
ND	Not Declared

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