Environmental Product Declaration

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

TILT HIT (Tarkett Interlocking Tiles) from TARKETT

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	S-P-08634
Publication date:	2023-08-22
Version date :	2026-07-27 (version 3)
Valid until:	2028-08-22

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at 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
E-mail:	info@environdec.com

CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product category rules (PCR): PCR 2019:14 version 1.11 and c-PCR-004 Resilient textile and laminate floor coverings (EN 16810)
PCR review was conducted by: *The Technical Committee of the International EPD® System lead by Claudia A Peña. A full list of members available on www.environdec.com. The review panel may be contacted via info@environdec.com.*
Independent third-party verification of the declaration and data, according to ISO 14025:2006: ☐ EPD process certification ☒ EPD verification
Third party verifier: Olivia Djiriguian from LCIE Bureau Veritas.
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 from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804. For further information about comparability, see EN 15804 and ISO 14025.

This EPD is a specific EPD.

Differences versus previous versions

2026-05-29 Version 2 of the EPD

Update in the end-of-life scenaros declared : adding of Recycling as the main scenario declared and landfill and incineration as additional scenarios.

2026-07-27 Version 3 of the EPD

Editorial Change : New name for the collection TILT HIT (Tarkett Interlocking Tiles)

Company information

Owner of the EPD: Tarkett

Contact: Marcelo Martins Meira, marcelo.martinsmeira@tarkett.com, Tarkett La Défense, 1 Terrasse Bellini 92400 Paris

Description of the organisation:

With an international coverage and a wide range of products, Tarkett has over 130 years of experience in providing integrated solutions for floorings to professionals and end users.
Many of the most important architectural firms in the world and building professionals have chosen Tarkett for the value of its products and for its consultation and service abilities. Therefore, Tarkett floorings and sport surfaces are present in several prestigious architectural reference points. Tarkett offers integrated solutions for floorings, able to meet the particular needs of customers. Our wide range of designs, colors and models provides an infinite series of possibilities, contributing to create a positive environment and a better quality of life for people.
Tarkett operates with the utmost respect for the environment towards the realization of eco-friendly products.
Tarkett's commitment to the environment is woven throughout its business. Cradle-to-Cradle principles are, in fact, the basis of the design and production of every solution. Particularly, the lifecycle analysis is used to continuously improve the production process, and so the products until their use stage, disposal and recycling. The commitment to the environment is also proven by the accession to the Circular Economy 100 program, where Tarkett group, with a network of companies, is working to develop a circular economy model based on the reuse of materials and preservation of natural resources. The development of products that can be reused within internal production cycles, or external ones in case of other individuals, has been an integral part of the business strategy aimed at sustainability for many years. The WCM (World Class Manufacturing) management system has been developed in 2009, and it includes the environmental pillar aimed to the elimination of losses and to the growth of process efficiency.

Product-related or management system-related certifications: ISO 9001, ISO 14001, ISO 50001, WCM manufacturing site.

Name and location of production site(s): Jaslo (Poland), Tuzla (Turkey)

Product information

Product name: TILT HIT (Tarkett Interlocking Tiles)

Product identification: Heterogeneous poly (vinyl chloride) floor coverings (EN 10582).

Product description: TILT HIT is a modular heterogeneous compact resilient floor covering developed by Tarkett. The service lifetime recommended by Tarkett is 25 years.

Geography: European technology and process coverage.

UN CPC code: APE/NAF - 2223Z

LCA information

Functional unit / declared unit: 1m^2 of floor covering with a reference service life (RSL) of 1 year for specified characteristics application and use areas according to ISO 10582 and EN ISO 10874.

Reference service life: 25 years

Time representativeness: 2022.

Database(s) and LCA software used: Ecoinvent3.8, Simapro 9.1

Description of system boundaries: Cradle to grave and module D (A + B + C + D)

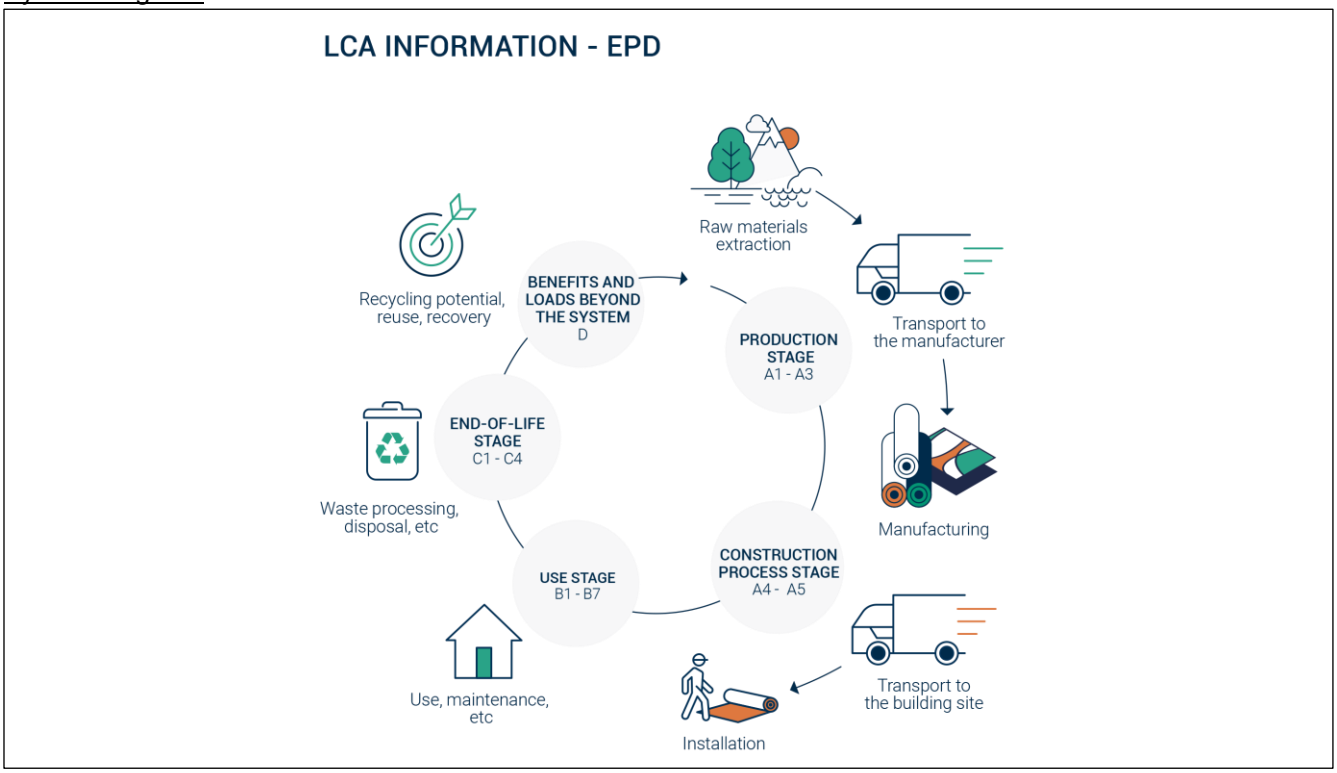
Cut-off criteria : The cut-off criteria used for this study follow the guidelines set out in the PCR which conform to the EN 15804-A2, as following:

- All inputs and outputs to a (unit) process are included in the calculation where the data is available.
- A maximum of 1% of the total mass per unit process may be omitted.

- A maximum of 1% of the total renewable and non-renewable energy for a unit process may be omitted.
- A maximum of 5% of the total energy usage and mass per module may be omitted.

All input and output flows have been considered, including raw materials as per the product composition provided by the manufacturer and packaging of raw materials as well as the final product. Energy and water consumptions have also been considered at 100% according to the data provided.

System diagram:



More information: The product is classified in accordance with EN ISO 10874, EN 685 and in reference to the FCSS (Floor Covering Standard Symbols) to be installed in various areas of application, such as: healthcare, education, commercial, education. The area of use according to the ISO 10874 is very heavy (34) for commercial classification and heavy (43) for industrial classification.

Product	Domestic Classification	Commercial Classification	Industrial Classification
TILT HIT	-	34 Very heavy commercial use	43 Heavy Industrial

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

	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	X	X	X	X	X	X	X	X	X	X	X	X
Geography	European technology and process coverage																European
Specific data used	-	50%	100%	100%	100%	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	-	-	-	European average for Tarkett		-	-	-	-	-	-	-	-	-	-	-	-

Content information

The components for TILT HIT are detailed here:

TILT HIT			
Product components	**Weight, kg/m²**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
PVC Suspension	3.89E+00	0%	0%
Plasticizers	1.08E+00	0%	0%
Epoxidised soya bean oil	2.49E-01	0%	83%
Mineral fillers	4.56E+00	0%	0%
Stabilizer CaZn	5.00E-02	0%	0%
Pigments	9.00E-03	0%	0%
Surface Treatment	5.00E-02	0%	0%
Impact modifiers	2.00E-02	0%	0%
Glass reinforcement	8.00E-02	0%	0%
TOTAL	1.0E+01	0%	2%
Packaging materials	**Weight, kg/m²**	**Weight-% (versus the product)**	
Product Packaging Cardboard	3.00E-02	0.3%	
TOTAL	3.00E-02	0.3%	

Product manufacturing

Production process

Production waste

Waste type	Amount	Unit
Non-hazardous waste to external treatment	8.20E-01	kg/m²
Hazardous waste to external treatment	5.00E-02	kg/m²

NB: Post manufacturing recycling concerns the recycling of the losses inside the plant production. Therefore, there is no end-of-life impact on losses (except the recycling preparation). Post-manufacturing recycled content is 20%.

Health, safety and environmental aspects during production

TILT HIT production site complies with the ISO 14001 Environmental Management System and the ISO 9001 Quality Management System.

Delivery and installation

Delivery

The average distribution distance between the factory and the installation site is 2160 km. It has been calculated considering the average distance between European countries where Tarkett is selling the TILT HIT products and the factory plant in Jaslo (Poland). The distribution is made by truck.

Installation

The slabs of TILT HIT are interlocked and therefore require no auxiliaries for installation.

Waste

During the installation approximately 3% of the flooring is lost as off-cuts. All flooring losses are sent to recycling.

Packaging

50 % of the packaging materials goes to incineration and 50 % goes to landfill.

Use Stage

Reference Service Life (RSL)

For this product, the stated RSL is 1 year. It should be noted, however, that the service life of a Heteregenous polyvinylchloride floor covering may vary depending on the amount and nature of floor traffic and the type and frequency of maintenance. The manufacturer has provided this service life on the basis of his experience of flooring manufacture and supply. This RSL is applicable as long as the product use complies with that defined by ISO 14041 and ISO10874 in accordance with the product's classification. **The service lifetime recommended by Tarkett is 25 years**.

Cleaning and maintenance

Cleaning regime is based on traditional cleaning protocol integrating manual and mechanical operations. Depending on premises considered, these consumptions may vary. The considered regime fits high traffic areas. The maintenance scenario is :

- **Common maintenance : 4 times a week**
- **Periodic maintenance : once a week**

Description	Amount	Unit
Electricity consumption	2.89E-01	kWh/year/m^2
Water consumption	7.06E+00	L/year/m^2
Detergent consumption	6.88E-02	L/year/m^2

Prevention of structural damage

To avoid excessive wear, usage should be restricted to the stated areas of application as outlined by the norm ISO 10874.

End of Life

3 distinct End-of-Life scenarios have been modeled TILT HIT products. Tarkett recommend using the ReStart program at End-of-Use to recycle the product. However, to showcase the value of Tarkett's recycling activities, environmental impacts of two alternative scenarios have been calculated.

Recycling /R
100% of the TILT HIT products can be recycled at its end of use stage, thanks to the ReStart® program, enabling Tarkett to collect installation losses and post-use flooring from construction sites to recycle it and/or re-use it as high-quality raw material back in Tarkett plants. Tarkett has developed a new technology that cleans, shreds, and recycles previously unusable post-consumer vinyl. Thus, TILT HITare recycled back at the Jaslo plant in Poland and the transport between construction site and recycling facility is 1846 km by truck. Environmental impacts of recycling are presented in module **C/R**.

Incineration with energy recovery /I
Incineration with energy recovery is a rising waste management method in many of the countries in which TILT HITis sold. While Tarkett wishes to recycle 100% of the TILT HITsold, incineration with energy recovery is an alternative option if recycling is impossible. Environmental impacts of incineration with energy recovery are presented as additional information in module C/I. The transport between construction site and waste treatment facility is by truck, with an estimated distance of 100 km to the incineration center (FD P01-015:2006).

Landfilling /L
Landfilling waste is still a prominent waste management scenario. This option is however not recommended by Tarkett. Environmental impacts of landfilling are presented as additional information in module C/L. The transport between construction site and waste treatment facility is by truck, with an estimated distance of 50 km to the incineration center (FD P01-015:2006).

Benefits and loads beyond system boundary

Recycling /R
The benefit is due to the recycling post-use flooring that allows avoiding the emissions of virgin materials. TILT HIT products can be 100% recycled at post-installation and post-consumer stage. Post-consumer recycling process currently has an efficiency of 90%. Benefits from avoided raw material production and avoided transport are calculated in module **D/R**.

Landfilling /L
Benefits accounted in this scenario exclusively come from installation offcuts recycling and are presented as additional information in module D/L.

Incineration with energy recovery /I
Benefits from installation offcuts recycling and incineration energy recovery are calculated as additional information in module D/I.

.

Results

Environmental Information

Potential environmental impact

Results per functional or declared unit - TILT HIT																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1/R**	**C2/R**	**C3/R**	**C4/R**	**D/R**
GWP-total	kg CO_2 eq.	2.63E+01	3.55E+00	1.09E+00	0.00E+00	2.54E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+00	2.54E-01	0.00E+00	-1.54E+01
GWP-fossil	kg CO_2 eq.	2.56E+01	3.54E+00	9.94E-01	0.00E+00	2.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E+00	1.48E-01	0.00E+00	-1.49E+01
GWP- biogenic	kg CO_2 eq.	-5.85E-01	1.42E-03	5.64E-02	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	1.06E-01	0.00E+00	5.88E-01
GWP- Luluc	kg CO_2 eq.	1.28E+00	1.40E-03	3.85E-02	0.00E+00	5.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	2.41E-04	0.00E+00	-1.16E+00
ODP	kg CFC 11 eq.	6.27E-06	8.22E-07	2.38E-07	0.00E+00	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	2.99E-08	0.00E+00	-4.98E-06
AP	mol H^+ eq.	1.22E-01	1.42E-02	4.60E-03	0.00E+00	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02	1.44E-03	0.00E+00	-6.70E-02
EP-freshwater	kg P eq	1.09E-02	2.29E-04	3.53E-04	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	9.51E-06	0.00E+00	-6.79E-04
EP-freshwater	kg PO4 eq	3.34E-02	7.04E-04	1.08E-03	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	2.92E-05	0.00E+00	-2.08E-03
EP-marine	kg N eq.	2.71E-02	4.25E-03	1.13E-03	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	2.81E-04	0.00E+00	-1.48E-02
EP-terrestrial	mol N eq.	2.43E-01	4.64E-02	1.03E-02	0.00E+00	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	4.13E-03	0.00E+00	-1.28E-01
POCP	kg NMVOC eq.	8.56E-02	1.43E-02	3.49E-03	0.00E+00	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02	9.44E-04	0.00E+00	-5.27E-02
ADP-minerals&metals*	kg Sb eq.	3.20E-04	1.24E-05	1.04E-05	0.00E+00	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	1.83E-06	0.00E+00	-2.77E-04
ADP-fossil*	MJ	4.79E+02	5.37E+01	1.79E+01	0.00E+00	5.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E+01	4.37E+00	0.00E+00	-3.36E+02
WDP	m^3	2.19E+01	1.56E-01	6.71E-01	0.00E+00	1.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-01	2.01E-02	0.00E+00	-1.83E+01
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															

Environmental Information

Potential environmental impact

Results per functional or declared unit - TILT HIT																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1/R**	**C2/R**	**C3/R**	**C4/R**	**D/R**
PERE	MJ	6.92E+01	7.59E-01	2.17E+00	0.00E+00	1.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-01	6.04E+00	0.00E+00	-2.07E+01
PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-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	0.00E+00	0.00E+00
PERT	MJ	6.92E+01	7.59E-01	2.17E+00	0.00E+00	1.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-01	6.04E+00	0.00E+00	-2.07E+01
PENRE	MJ	4.80E+02	5.37E+01	1.79E+01	0.00E+00	5.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E+01	4.37E+00	0.00E+00	-3.37E+02
PENRM	MJ.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-01	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	0.00E+00
PENRT	MJ	4.80E+02	5.37E+01	1.79E+01	0.00E+00	5.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E+01	4.37E+00	0.00E+00	-3.36E+02
SM	kg	1.98E+00	0.00E+00	5.94E-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	0.00E+00	0.00E+00	0.00E+00	-1.84E+00
RSF	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	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m^3	3.47E-01	2.04E-03	1.08E-02	0.00E+00	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	1.05E-03	0.00E+00	-2.62E-01
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															

Waste production and output flows

Waste production

Results per functional or declared unit - TILT HIT																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1/R**	**C2/R**	**C3/R**	**C4/R**	**D/R**
Hazardous waste disposed	kg	1.04E+00	3.89E-02	3.45E-02	0.00E+00	7.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-02	8.22E-03	0.00E+00	-5.53E-01
Non-hazardous waste disposed	kg	1.07E+01	3.08E+00	5.39E-01	0.00E+00	8.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E+00	9.80E-02	0.00E+00	-6.15E+00
Radioactive waste disposed	kg	1.14E-03	3.63E-04	5.81E-05	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	3.91E-06	0.00E+00	-7.71E-04

Output flows

Results per functional or declared unit - TILT HIT																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1/R**	**C2/R**	**C3/R**	**C4/R**	**D/R**
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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	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	0.00E+00	0.00E+00	0.00E+00	8.91E+00	0.00E+00	8.91E+00
Materials for energy recovery	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Additional indicator

Results per functional or declared unit - TILT HIT																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1/R**	**C2/R**	**C3/R**	**C4/R**	**D/R**
GWP-fossil	kg CO_2 eq.	2.68E+01	3.55E+00	1.03E+00	0.00E+00	2.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+00	1.48E-01	0.00E+00	-1.60E+01

[1] GWP-GHG is the sum of GWP-Fossil and GWP-LULUC indicator

Additional LCA results (other environmental performance results) of the product- Potential impacts and flows of incineration

Results per functional or declared unit in case of incineration – TILT HIT						
Indicator	**Unit**	**C1/I**	**C2/I**	**C3/I**	**C4/I**	**D/I**
GWP-total	kg CO_2 eq.	0.00E+00	1.66E-01	0.00E+00	9.56E+00	-1.30E+01
GWP-Fossil	kg CO_2 eq.	0.00E+00	1.66E-01	0.00E+00	9.55E+00	-1.29E+01
GWP- biogenic	kg CO_2 eq.	0.00E+00	5.27E-05	0.00E+00	2.41E-03	-2.18E-02
GWP- Luluc	kg CO_2 eq.	0.00E+00	8.11E-05	0.00E+00	4.91E-03	-9.50E-03
ODP	kg CFC 11 eq.	0.00E+00	3.61E-09	0.00E+00	1.73E-06	-7.18E-07
AP	mol H^+ eq.	0.00E+00	5.40E-04	0.00E+00	2.33E-02	-4.59E-02
EP-freshwater	kg P eq	0.00E+00	1.16E-05	0.00E+00	1.61E-03	-4.42E-03
EP-freshwater	kg PO_4^{3-} eq	0.00E+00	3.56E-05	0.00E+00	4.93E-03	-1.36E-02
EP-marine	kg N eq.	0.00E+00	1.86E-04	0.00E+00	5.82E-03	-7.74E-03
EP-terrestrial	mol N eq.	0.00E+00	1.96E-03	0.00E+00	5.77E-02	-7.71E-02
POCP	kg NMVOC eq.	0.00E+00	8.07E-04	0.00E+00	1.68E-02	-3.08E-02
ADP-minerals&metals*	kg Sb eq.	0.00E+00	5.45E-07	0.00E+00	1.05E-04	-2.44E-05
ADP-Fossil*	MJ	0.00E+00	2.35E+00	0.00E+00	4.94E+01	-2.04E+02
WDP	m^3	0.00E+00	9.71E-03	0.00E+00	1.69E+01	-1.65E+00
Results per functional or declared unit in case of incineration – TILT HIT						
Indicator	**Unit**	**C1/I**	**C2/I**	**C3/I**	**C4/I**	**D/I**
PERE	MJ	0.00E+00	3.64E-02	0.00E+00	5.77E+00	-1.52E+01
PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	0.00E+00	3.64E-02	0.00E+00	5.77E+00	-1.52E+01
PENRE	MJ	0.00E+00	2.35E+00	0.00E+00	4.94E+01	-2.02E+02
PENRM	MJ.	0.00E+00	0.00E+00	0.00E+00	-4.99E+01	-2.25E+00
PENRT	MJ	0.00E+00	2.35E+00	0.00E+00	-5.29E-01	-2.04E+02
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	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
FW	m^3	0.00E+00	3.34E-04	0.00E+00	5.03E-01	-7.78E-02
Results per functional or declared unit in case of incineration – TILT HIT						
Indicator	**Unit**	**C1/I**	**C2/I**	**C3/I**	**C4/I**	**D/I**
Hazardous waste disposed	kg	0.00E+00	2.24E-03	0.00E+00	3.22E+00	-1.58E-01
Non-hazardous waste disposed	kg	0.00E+00	1.33E-01	0.00E+00	5.42E+00	-2.06E+00
Radioactive waste disposed	kg	0.00E+00	7.63E-07	0.00E+00	1.61E-04	-5.62E-04
Results per functional or declared unit in case of incineration – TILT HIT						
Indicator	**Unit**	**C1/I**	**C2/I**	**C3/I**	**C4/I**	**D/I**
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	8.69E+01	0.00E+00

Additional information – Potential impacts and flows in case of landfilling.

Results per functional or declared unit in case of landfilling – TILT HIT						
Indicator	**Unit**	**C1/L**	**C2/L**	**C3/L**	**C4/L**	**D/L**
GWP-total	kg CO_2 eq.	0.00E+00	8.29E-02	0.00E+00	6.32E-01	-5.62E-01
GWP-Fossil	kg CO_2 eq.	0.00E+00	8.29E-02	0.00E+00	6.32E-01	-5.60E-01
GWP- biogenic	kg CO_2 eq.	0.00E+00	2.63E-05	0.00E+00	9.47E-05	-5.82E-04
GWP- Luluc	kg CO_2 eq.	0.00E+00	4.05E-05	0.00E+00	2.03E-05	-3.93E-04
AP	mol H^+ eq.	0.00E+00	1.80E-09	0.00E+00	2.59E-09	-1.54E-07
ODP	kgCFC11 eq	0.00E+00	2.70E-04	0.00E+00	5.88E-04	-2.58E-03
EP-freshwater	kg P eq	0.00E+00	5.80E-06	0.00E+00	6.05E-06	-1.82E-04
EP-freshwater	kg PO4 eq	0.00E+00	9.29E-05	0.00E+00	3.45E-03	-4.69E-04
EP-marine	kg N eq.	0.00E+00	9.29E-05	0.00E+00	3.45E-03	-4.69E-04
EP-terrestrial	mol N eq.	0.00E+00	9.81E-04	0.00E+00	2.61E-03	-4.70E-03
POCP	kg NMVOC eq.	0.00E+00	4.04E-04	0.00E+00	1.13E-03	-2.18E-03
ADP-minerals&metals*	kg Sb eq.	0.00E+00	2.73E-07	0.00E+00	1.82E-07	-1.11E-05
ADP-Fossil*	MJ	0.00E+00	1.17E+00	0.00E+00	2.05E+00	-1.28E+01
WDP	m^3	0.00E+00	4.85E-03	0.00E+00	9.22E-03	-6.78E-01
Results per functional or declared unit in case of landfilling – TILT HIT						
Indicator	**Unit**	**C1/L**	**C2/L**	**C3/L**	**C4/L**	**D/L**
PERE	MJ	0.00E+00	1.82E-02	0.00E+00	8.71E-02	-3.78E-01
PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	0.00E+00	1.82E-02	0.00E+00	8.71E-02	-3.78E-01
PENRE	MJ	0.00E+00	1.17E+00	0.00E+00	2.05E+00	-1.06E+01
PENRM	MJ.	0.00E+00	0.00E+00	0.00E+00	-4.99E+01	-2.25E+00
PENRT	MJ	0.00E+00	1.17E+00	0.00E+00	-4.79E+01	-1.28E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	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
FW	m^3	0.00E+00	1.67E-04	0.00E+00	2.49E-03	-1.00E-02
Results per functional or declared unit in case of landfilling – TILT HIT						
Indicator	**Unit**	**C1/L**	**C2/L**	**C3/L**	**C4/L**	**D/L**
Hazardous waste disposed	kg	0.00E+00	1.12E-03	0.00E+00	2.36E-03	-2.14E-02
Non-hazardous waste disposed	kg	0.00E+00	6.67E-02	0.00E+00	8.82E+00	-2.33E-01
Radioactive waste disposed	kg	0.00E+00	3.82E-07	0.00E+00	1.14E-06	-2.19E-05
Results per functional or declared unit in case of landfilling – TILT HIT						
Indicator	**Unit**	**C1/L**	**C2/L**	**C3/L**	**C4/L**	**D/L**
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Information on biogenic carbon content

Results per functional or declared unit		
BIOGENIC CARBON CONTENT	**Unit**	**QUANTITY**
Biogenic carbon content in product	kg C	0.179
Biogenic carbon content in packaging	kg C	<0.012

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO_2.

References

General Programme Instructions of the International EPD® System. Version 3.01.
PCR 2019:14. Version 1.11 and c-PCR-004 Resilient textile and laminate floor coverings (EN 16810)

EPD®

www.environdec.com