SENTINEL HOLDING
INSTITUT

SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

13491-10-1006

Iconik 280 Tex, Iconik 260 Tex

Warengruppe: Vinyl - Designbeläge

Tarkett

Tarkett Holding GmbH
Rheinallee 13
67061 Ludwigshafen

Produktqualitäten:

- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEUBAU 2023.2
- DGNB NEUBAU 2023
- DGNB NEUBAU 2018

GEPRÜFT NACHHALTIGES PRODUKT – SHI PRODUKT PASS – SENTINEL HOLDING INSTITUT – www.sentinel-holding.eu/pruefkriterien

Köttner

Helmut Köttner
Wissenschaftlicher Leiter
Freiburg, den 17.08.2026

Produkt:
Iconik 280 Tex, Iconik 260 Tex

SHI Produktpass-Nr.:
13491-10-1006

Tarkett

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Wir sind stolz darauf, dass die SHI-Datenbank, die erste und einzige Datenbank für Bauprodukte ist, die ihre umfassenden Prozesse sowie die Aktualität regelmäßig von dem unabhängigen Prüfunternehmen SGS-TÜV Saar überprüfen lässt.

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QNG - Qualitätssiegel Nachhaltiges Gebäude

Das Qualitätssiegel Nachhaltiges Gebäude, entwickelt durch das Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen (BMWSB), legt Anforderungen an die ökologische, soziokulturelle und ökonomische Qualität von Gebäuden fest. Das Sentinel Holding Institut prüft Bauprodukte gemäß den QNG-Anforderungen für eine Zertifizierung und vergibt das QNG-ready Siegel. Das Einhalten des QNG-Standards ist Voraussetzung für den KfW-Förderkredit. Für bestimmte Produktgruppen hat das QNG derzeit keine spezifischen Anforderungen definiert. Diese Produkte sind als nicht bewertungsrelevant eingestuft, können jedoch in QNG-Projekten genutzt werden.

Kriterium	Pos. / Bauproduktgruppe	Betrachtete Stoffe	QNG Freigabe
3.1.3 Schadstoffvermeidung in Baumaterialien	2.2 Elastische Bodenbeläge – auch mehrschichtige Systeme	VOC / Emissionen / gefährliche Stoffe / Polyzyklische Aromatische Kohlenwasserstoffe (PAK) / SVHC / Schwermetalle	QNG-ready
Nachweis: Herstellererklärung vom 26.02.2025			

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DGNB Neubau 2023.2

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt			nicht bewertungsrelevant

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SHI Produktpass-Nr.:
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DGNB Neubau 2023

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude. Die Version 2023 setzt hohe Standards für ökologische, ökonomische, soziokulturelle und funktionale Aspekte während des gesamten Lebenszyklus eines Gebäudes.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 03.05.2024 (3. Auflage)	7 Bodenbeläge (Elastische Bodenbeläge)	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Qualitätsstufe: 3
Nachweis: Herstellererklärung vom 26.02.2025			

Kriterium	Bewertung
ENV 1.1 Klimaschutz und Energie (*)	Kann Gesamtbewertung positiv beeinflussen
Nachweis: ReStart Broschüre	

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt, 29.05.2025 (4. Auflage)	7 Bodenbeläge in der Innenanwendung (Elastische Bodenbeläge)	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Qualitätsstufe: 3
Nachweis: Herstellererklärung vom 26.02.2025			

SENTINEL HOLDING
INSTITUT

Produkt:
Iconik 280 Tex, Iconik 260 Tex

SHI Produktpass-Nr.:
13491-10-1006

Tarkett

DGNB Neubau 2018

Das DGNB-System (Deutsche Gesellschaft für Nachhaltiges Bauen) bewertet die Nachhaltigkeit von Gebäuden verschiedener Art. Das System ist sowohl anwendbar für private und gewerbliche Großprojekte als auch für kleinere Wohngebäude.

Kriterium	Pos. / Relevante Bauteile / Bau-Materialien / Flächen	Betrachtete Stoffe / Aspekte	Qualitätsstufe
ENV 1.2 Risiken für die lokale Umwelt	7 Bodenbeläge (Elastische Bodenbeläge)	VOC / SVOC / gefährliche Stoffe	Qualitätsstufe: 4
Nachweis: Herstellererklärung vom 26.02.2025			

SENTINEL HOLDING
INSTITUT

Produkt:
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Tarkett

Produktsiegel

In der Baubranche spielt die Auswahl qualitativ hochwertiger Materialien eine zentrale Rolle für die Gesundheit in Gebäuden und deren Nachhaltigkeit. Produktlabels und Zertifikate bieten Orientierung, um diesen Anforderungen gerecht zu werden. Allerdings besitzt jedes Zertifikat und Label eigene Prüfkriterien, die genau betrachtet werden sollten, um sicherzustellen, dass sie den spezifischen Bedürfnissen eines Bauvorhabens entsprechen.

EPD
INTERNATIONAL EPD SYSTEM

Das International EPD® System ist ein global anerkanntes Programm zur Erstellung und Veröffentlichung von Umweltproduktdeklarationen (EPDs). Es ermöglicht Unternehmen, die Umweltauswirkungen ihrer Produkte transparent darzustellen, basierend auf internationalen Normen wie ISO 14025 und der EN 15804 für Bauprodukte. Das System bietet eine standardisierte Methode zur Bewertung der ökologischen Performance von Produkten über ihren gesamten Lebenszyklus und fördert nachhaltiges Wirtschaften und ökologische Transparenz in verschiedenen Branchen.

GEPRÜFT NACHHALTIGES PRODUKT
QNG READY
SENTINEL HOLDING INSTITUT

Produkte mit dem QNG-ready Siegel des Sentinel Holding Instituts eignen sich für Projekte, für welche das Qualitätssiegel Nachhaltiges Gebäude (QNG) angestrebt wird. QNG-ready Produkte erfüllen die Anforderungen des QNG Anhangdokument 3.1.3 "Schadstoffvermeidung in Baumaterialien". Das KfW-Kreditprogramm Klimafreundlicher Neubau mit QNG kann eine höhere Fördersumme ermöglichen.

Produkt:
Iconik 280 Tex, Iconik 260 Tex

SHI Produktpass-Nr.:
13491-10-1006

Tarkett

Rechtliche Hinweise

(*) Die Kriterien dieses Steckbriefs beziehen sich auf das gesamte Bauobjekt. Die Bewertung erfolgt auf der Ebene des Gebäudes. Im Rahmen einer sachgemäßen Planung und fachgerechten Installation können einzelne Produkte einen positiven Beitrag zum Gesamtergebnis der Bewertung leisten. Das Sentinel Holding Institut stützt sich einzig auf die Angaben des Herstellers.

Alle Kriterien finden Sie unter:
https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte

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SGS TÜV SAAR

Herausgeber

Sentinel Holding Institut GmbH
Bötzinger Str. 38
79111 Freiburg im Breisgau
Tel.: +49 761 590 481-70
info@sentinel-holding.eu
www.sentinel-holding.eu

Iconik 260Tex

Technische Daten

Klassifizierung	Normen	Produktwerte
Produktart	EN ISO 26986	Geschäumter PVC Bodenbelag
Nutzungsklasse Wohnbereich	EN ISO 10874	22 / 22+ moderate Nutzung
Bindemittelgehalt	ISO 11638	TYPE1
Technische Merkmale	**Normen**	**Produktwerte**
Gesamtstärke	ISO 24346	2,60 mm
Nutzschichtdicke	ISO 24340	0,20 mm
Flächengewicht	ISO 23997	1530 g/m²
Oberflächenvergütung		Extreme
CE Konformitätserklärung	**Normen**	**Produktwerte**
DOP (Declaration of Performance)	EN 14041	0007-0085-DOP-2024-10
Brandverhalten (EN 13501)	EN 13501-1	Cfl-s1
Rutschsicherheit (EN 13893)	EN 13893	Klasse DS (μ ≥ 0,30)
Rutschsicherheit (DIN 51130)	DIN 51130	R10
Aufladungsspannung	EN 1815	Antistatisch (≤ 2 kV)
Wärmedurchlasswiderstand	ISO 10456	0,040 m²•K/W
Leistungsmerkmale	**Normen**	**Produktwerte**
Resteindruck	EN ISO 24343-1	≤ 0,35 mm
Trittschallverbesserung - ΔLw	EN ISO 717-2	18 dB
Lichtechtheit	ISO 105-B02	≥ 6
Chemikalieneinwirkung ISO 26987	ISO 26987	Nicht verändert
Warmwasser-Fußbodenheizung		Ja (maximal 27°C)
Dimensionsstabilität	EN ISO 23999	Durchschnittlich gemessener Wert : ≤ 0,15 %
Nachhaltigkeit, Umwelt & Innenraumluftqualität	**Normen**	**Produktwerte**
Recyclingfähig durch ReStart®		Ja - Verschnitt und gebrauchte Produkte (post use) durch ReStart (ISO 14021)
Anteil Recycling-Material		18 %
CO2 Fußabdruck (Cradle-to-Gate, EPD Module A1-A3)		5,50 kg CO_2e /m²
Phthalatfrei		Ja
VOC Emissionswert	EN 16516	≤ 100 µg/m³ (nach 28 Tagen)
BREEAM Bewertung		A+
Formaldehyd Emission		E1
Emissionskennzeichnung		A+
Gütesiegel Allergy UK		Genehmigt
Abmessungen und Designs		
Rolle		Rolle 2 x 25 m Rolle 3 x 25 m Rolle 4 x 25 m
Anzahl der verfügbaren Designs		19

Die Angaben entsprechen dem derzeitigen Stand der Technik (18/12/2024). Soweit einzelne Daten Beschaffenheitsmerkmale darstellen, können diese geändert werden, wenn die Produkteigenschaften verbessert werden bzw. gleich bleiben. Verlege-, Reinigungs- und Pflegempfehlungen von TARKETT sind zu beachten.

Iconik 280Tex

Technische Daten

Klassifizierung	Normen	Produktwerte
Produktart	EN ISO 26986	Geschäumter PVC Bodenbelag
Nutzungsklasse Wohnbereich	EN ISO 10874	23 starke Nutzung
Nutzungsklasse Geschäftsbereich	EN ISO 10874	32 normale Nutzung
Nutzungsklasse Industrie	EN ISO 10874	41 moderate Nutzung
Bindemittelgehalt	ISO 11638	TYPE1
Technische Merkmale	**Normen**	**Produktwerte**
Gesamtstärke	ISO 24346	2,80 mm
Nutzschichtdicke	ISO 24340	0,35 mm
Flächengewicht	ISO 23997	1760 g/m²
Oberflächenvergütung		Extreme
CE Konformitätserklärung	**Normen**	**Produktwerte**
DOP (Declaration of Performance)	EN 14041	0007-0016-DOP-2022-03
Brandverhalten (EN 13501)	EN 13501-1	Cfl-s1
Rutschsicherheit (EN 13893)	EN 13893	Klasse DS (μ ≥ 0,30)
Rutschsicherheit (DIN 51130)	DIN 51130	R10
Aufladungsspannung	EN 1815	Antistatisch (≤ 2 kV)
Wärmedurchlasswiderstand	ISO 10456	0,030 m²•K/W
Leistungsmerkmale	**Normen**	**Produktwerte**
Resteindruck	EN ISO 24343-1	≤ 0,20 mm
Stuhlrollenbeanspruchung (Typ W)	ISO 4918	Keine Beschädigung
Trittschallverbesserung - ΔLw	EN ISO 717-2	19 dB
Lichtechtheit	ISO 105-B02	≥ 6
Chemikalieneinwirkung ISO 26987	ISO 26987	Nicht verändert
Warmwasser-Fußbodenheizung		Ja (maximal 27°C)
Dimensionsstabilität	EN ISO 23999	Durchschnittlich gemessener Wert : ≤ 0,15 %
Nachhaltigkeit, Umwelt & Innenraumluftqualität	**Normen**	**Produktwerte**
Recyclingfähig		Ja - Verschnitt und gebrauchte Produkte (post use) durch ReStart (ISO 14021)
Anteil Recycling-Material		17 %
CO2 Fußabdruck (Cradle-to-Gate, EPD Module A1-A3)		5,50 kg CO_2e /m²
Phthalatfrei		Ja
VOC Emissionswert	EN 16516	≤ 100 µg/m³ (nach 28 Tagen)
BREEAM Bewertung		A+
Formaldehyd Emission		E1
Emissionskennzeichnung		A+
Gütesiegel Allergy UK		Genehmigt
Abmessungen und Designs		
Rolle		Rolle 2 x 25 m Rolle 3 x 25 m Rolle 4 x 25 m
Anzahl der verfügbaren Designs		90

Die Angaben entsprechen dem derzeitigen Stand der Technik (04/12/2024). Soweit einzelne Daten Beschaffenheitsmerkmale darstellen, können diese geändert werden, wenn die Produkteigenschaften verbessert werden bzw. gleich bleiben. Verlege-, Reinigungs- und Pflegempfehlungen von TARKETT sind zu beachten.

Tarkett Holding GmbH Postfach 220132 67022 Ludwigshafen

Sentinel Holding Institut GmbH
Bötzingerstraße 38
79111 Freiburg

26.02.2025

Herstellererklärung für QNG & DGNB – Tarkett Iconik 260 Tex / Iconik 280 Tex

Sehr geehrte Damen und Herren,

hiermit bestätigen wir für unsere heterogenen Vinyl-Bodenbeläge Iconik 260 Tex und Iconik 280 Tex, dass dieser von Tarkett hergestellte Belag keine und damit einen Anteil von ≤ 0,1 % reproduktionstoxische Phthalate enthält. Es sind keine Blei-, Zinn- und Cadmiumstabilisatoren enthalten. Der genannte Bodenbelag enthält < 0,1 % Chlorparaffine (SCCPs + MCCPs + LCCPs) und ≤ 0,1 % SVHC.

Bei der Überprüfung der Einhaltung der REACH-Verordung, Artikel 33, berücksichtigt Tarkett die Aufnahme von besonders besorgniserregenden Stoffen (SVHC) in Annex XIV - Zulassungsliste und die in Annex XVII festgelegten Bedingungen oder Beschränkungen gemäß den Anforderungen von Artikel 67 (REACH-Kandidatenliste vom 27.06.2024).

Die TVOC-Emissionen entsprechen mit ≤ 100 µg/m³ nach 28 Tagen den Anforderungen des AgBB und Blauen Engel (RAL ZU 120), beide werden übererfüllt. Neben dieser Herstellererklärung erhalten Sie den Prüfbericht, welcher den Indoor Air Comfort Gold ausweist.

Recycling & Recyclinganteile

Iconik 260 Tex und Iconik 280 Tex sind Teil unseres Rücknahme- und Recyclingprogrammes ReStart. Gemäß diesem nehmen wir Verschnitt des genannten Bodens zurück und recyceln diesen. Die genannten Böden weisen bereits einen Recyclinganteil von mindestens 17 % auf.

Nachhaltige Materialgewinnung

Tarkett ist seit 2010 Mitglied des United Nation Global Compact und hat in den letzten zehn Jahren jeweils das höchste Level „Advanced“ erreicht. Zudem wurde Tarkett 2022 und 2023 mit der Gold-Medaille, in 2024 mit der Platin-Medaille von EcoVadis innerhalb dessen ESG-Ratings ausgezeichnet. Mehr unter: https://www.tarkett-group.com/en/social-responsibility/

Für Rückfragen stehen wir Ihnen gerne zur Verfügung.

Mit freundlichen Grüßen
Tarkett Holding GmbH

Florian Ebner
General Manager D/A/CH

i.A. Swantje Kühn
Sustainability Manager D/A/CH

Tarkett Holding GmbH
Rheinallee 13 – 67061 Ludwigshafen – Postfach 220132 – 67022 Ludwigshafen
T. +49(0)621 68172 300 – F. +49(0)621 68172 4300 – info.de@tarkett.com
Commerzbank AG – BLZ 670 800 50 – Konto 833158300 – SWIFT/BIC DRESDEFF670 – IBAN DE83670800500833158300
Geschäftsführer: Edouard Robin de la Cotardiere – Florian Ebner – Marc Tenhagen
Amtsgericht Ludwigshafen/Rhein HRB 60424
www.tarkett.de

Environmental Product Declaration

In accordance with ISO 14025, EN 15804+A1 and EN 16810 for:

ICONIK heterogeneous vinyl flooring - TARKETT

Programme:	The International EPD® System www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	S-P-01997
ECO EPD Ref. number:	00001168
Publication date:	2020-08-21
Validity date:	2025-07-27
Geographical scope:	Europe



General information

Information about the organization

Owner of the EPD: Tarkett France. Gabrielle PERIER, +33 (0)141 204 048, gabrielle.perier@tarkett.com,Tarkett La Défense, 1 Terrasse Bellini 92400 Paris
Description of the organisation: ISO 9001, ISO 14001, ISO 50001, OHSAS 18001 and WCM Manufacturing site
Name and location of production sites: Clervaux, Luxembourg and Konz, Germany

About the company

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, colours 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 information

Product name: ICONIK 100, ICONIK 120, ICONIK 150, ICONIK 200, ICONIK 220T, ICONIK 240, ICONIK 260D – Essentials CLX, ICONIK 260D – Essentials KNZ, ICONIK 260D – Exclusive CLX, ICONIK 260D – Exclusive KNZ, ICONIK 260T, ICONIK 280T, ICONIK 300, ICONIK 300+ – Essentials, ICONIK 300+ – Exclusive, ICONIK 320, ICONIK 320T, ICONIK 370, ICONIK 400, ICONIK 450

Product identification: Expanded (cushioned) poly(vinyl chloride) floor covering (ISO 26986)

Product description:
ICONIK products are cushioned heterogeneous PVC floorings developed by Tarkett, offering a large choice of designs and colours in acoustic profiles. Hardwearing, waterproof and easy to clean, vinyl is the modern option for modern lifestyles.
The following figure shows an example of ICONIK flooring:



ICONIK flooring

UN CPC code: APE/NAF - 2223Z

Geographical scope: Europe

Range of application

The products are classified in accordance with EN ISO 10874, (previously 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, domestic. The areas of use according to the ISO 10874 are:

Classification	Product
Moderate/light (21) for domestic classification	ICONIK 100, ICONIK 120, ICONIK 150, ICONIK 200
General/medium (22) for domestic classification	ICONIK 260D, ICONIK 260T
Heavy (23) for domestic classification	ICONIK 220T, ICONIK 280T, ICONIK 300, ICONIK 320, ICONIK 400, ICONIK 450
Moderate (31) for commercial classification	ICONIK 220T, ICONIK 300, ICONIK 320, ICONIK 400
General (32) for commercial classification	ICONIK 240, ICONIK 300+, ICONIK 370
Heavy (33) for commercial classification	ICONIK 320T
Moderate (41) for industrial classification	ICONIK 240, ICONIK 280T, ICONIK 300+
General (42) for industrial classification	ICONIK 320T

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 26986, EN 651 and EN ISO 10874.

Reference service life:

1 year

Time representativeness:

2019

Database(s) and LCA software used:

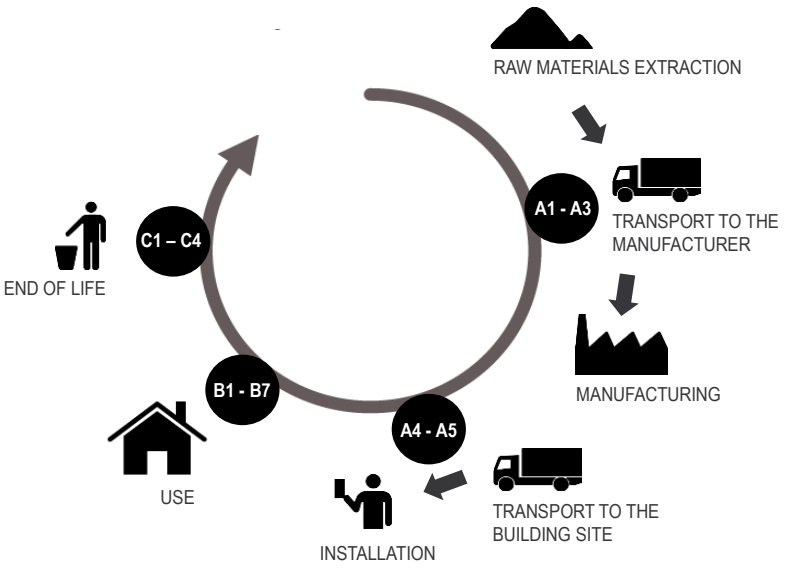
SimaPro 8.5 database Ecoinvent 3.4

Description of system boundaries:

Cradle to grave

System boundaries

The system boundary is based on the EN 15804 description.
Production stage : A1 – A3: includes the provision of all raw materials, transport to the production site and energy and water consumption during the manufacturing of the product, packaging of final product, the different air emissions, as well as processing of waste generated by the factory.
Construction stage: A4 – A5: includes the transport from the factory to the final customer, the installation of the product, as well as all consumables and energy required and processing of waste generated during the installation.
Use stage B1 – B7: includes provision and transport of all materials, products and services related to the use phase of the product, as well as their related energy and water consumption, and the processing of any resulting waste.
End of life stage C1 – C4: includes provision and transport of all materials, products and services related to the end of life phase of the product, including energy and water consumption, as well as the end of life processing of the product.



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Included/excluded life stages

	Production Stage			Construction Process Stage		Use Stage							End-of-Life Stage			
	Raw material supply (extraction, processing, recycled material)	Transport to manufacturer	Manufacturing	Transport to building site	Installation into building	Use / application	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction / demolition	Transport to EoL	Waste processing for reuse, recovery or recycling	Disposal
Modules	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C 4
Accounted for:	X	X	X	X	X	MND	X	MND	MND	MND	MND	MND	X	X	X	X

X Module included in the study
MND : Module not declared

Use stage: Floor coverings do not contribute to modules B1 and B3 to B7 according to the standard EN 16810.

Cut-off criteria

The cut-off criteria shall be 1% of renewable and non-renewable primary energy usage and 1% of the total mass of that unit process. The total neglected input flows per module shall be a maximum of 5% of energy usage and mass.
For this study, all input and output flows have been considered at 100%, including raw materials as per the product composition provided by the manufacturer and packaging of raw materials as well as the final product.

LCA data

As a general rule, specific data derived from specific production processes or average data derived from specific production processes have been used as the first choice as a basis for calculating an EPD.
To model the life cycle of the product in question, the software SimaPro 8.5, developed by PRé, has been used in conjunction with the LCA database ecoinvent v3.4.

Data quality

The objective of this evaluation is to evaluate the environmental impacts generated by the product floor coverings ICONIK throughout their entire life cycle. To this end, ISO 14040, ISO 14044 and EN 15804 have been met regarding the quality of data on different following criteria:

The time factor, the life cycle inventory data used come from:

- Data collected specifically for this study on Tarkett sites. Data sets are based on 1 year averaged data.

- In the absence of collected data, generic data from the ecoinvent V3.4 cut-off by classification database. This is regularly updated and is representative of current processes

Technological Coverage

- Tarkett technologies used for the manufacture methods of the product.
- European technology in the case of use of generic data.

Geographical Coverage

- Data come from production sites of Tarkett
- The generic data come from the ecoinvent database, representative of the European processes.

Allocation

The overall values for material and energy consumptions for factories during a period of one year have been divided by the annual production of each product to supply a value per square meter of flooring produced. All factories data are measured in square meters, and it is assumed that the process consumptions are governed by area of flooring processed rather than mass.

Comparability

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to /EN 15804/ and the building context, respectively the product-specific characteristics of performance, are taken into account.

Content declaration

Product

According to PCR 2012-01 v2.3, several similar products can be included in the same EPD if "differences between the mandatory impact indicators lower than ±10% (concerning A1-A3) could be presented using the impacts of a representative product". The next table presents how products are grouped :

Products	Thickness (mm)	Mass (kg/m²)	Recycled content (%)	Factories city
ICONIK 100	1.00E+00	1.65E+00	6.86E+01	Clervaux, Luxembourg
ICONIK 120	1.20E+00	1.12E+00	0.00E+00	Clervaux, Luxembourg
ICONIK 150	1.50E+00	1.19E+00	0.00E+00	Konz, Germany
ICONIK 200	2.00E+00	1.53E+00	0.00E+00	Konz, Germany
ICONIK 220T	2.20E+00	1.60E+00	0.00E+00	Konz, Germany
ICONIK 240	2.40E+00	1.68E+00	0.00E+00	Konz, Germany
ICONIK 260D – Essentials KNZ	2.60E+00	1.59E+00	0.00E+00	Konz, Germany
ICONIK 260D – Exclusive KNZ	2.60E+00	1.62E+00	0.00E+00	Konz, Germany
ICONIK 260D – Essentials CLX	2.60E+00	1.69E+00	0.00E+00	Clervaux, Luxembourg
ICONIK 260D – Exclusive CLX	2.60E+00	1.67E+00	0.00E+00	Clervaux, Luxembourg
ICONIK 260T	2.60E+00	1.54E+00	0.00E+00	Konz, Germany

ICONIK 280T	2.80E+00	1.84E+00	0.00E+00	Konz, Germany
ICONIK 300	3.00E+00	1.81E+00	0.00E+00	Clervaux, Luxembourg
ICONIK 300+ – Essentials	3.00E+00	2.12E+00	0.00E+00	Clervaux, Luxembourg
ICONIK 300+ – Exclusive	3.00E+00	1.92E+00	0.00E+00	Konz, Germany
ICONIK 320	3.20E+00	2.44E+00	1.75E+01	Clervaux, Luxembourg
ICONIK 320T	3.20E+00	2.21E+00	0.00E+00	Konz, Germany
ICONIK 370	3.70E+00	2.64E+00	1.62E+01	Clervaux, Luxembourg
ICONIK 400	4.00E+00	2.10E+00	0.00E+00	Konz, Germany
ICONIK 450	4.50E+00	2.86E+00	1.50E+01	Clervaux, Luxembourg

Product	Representative average product	Category identification	Product Thickness [mm]	Product Weight [kg/m²]
ICONIK 100	Product with calendered layer	A	1.00E+00	1.65E+00
ICONIK 120	Product with foam with surface density inferior to 1.20 kg/m²	B	1.43E+00	1.17E+00
ICONIK 150				
ICONIK 200	Product with foam with surface density between 1.20 kg/m² and 1.65 kg/m²	C	2.48E+00	1.59E+00
ICONIK 260D – Essentials KNZ				
ICONIK 260D – Exclusive KNZ				
ICONIK 240	Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m²	D	2.53E+00	1.68E+00
ICONIK 260D – Essentials CLX				
ICONIK 260D – Exclusive CLX				
ICONIK 300	Product with foam with surface density between 1.80 kg/m² and 1.90 kg/m²	E	3.00E+00	1.81E+00
ICONIK 300+ – Exclusive	Product with foam with surface density between 1.90 kg/m² and 2.10 kg/m²	F	3.84E+00	2.06E+00
ICONIK 400				
ICONIK 300+ – Essentials	Product with foam with surface density superior to 2.10 kg/m²	G	3.00E+00	2.12E+00
ICONIK 220T	Product with textile backing with surface density inferior to 1.90 kg/m²	H	2.67E+00	1.78E+00
ICONIK 260T				
ICONIK 280T				
ICONIK 320T	Product with textile backing with surface density superior to 1.90 kg/m²	I	3.20E+00	2.21E+00
ICONIK 320	Product with foam and calendered layer (surface density superior to 2.40 kg/m²)	J	4.09E+00	2.74E+00
ICONIK 370				
ICONIK 450				

Characteristics	Reaction to fire	Impact sound redction	Slip Resistance	Dimension stability	Light fastness
Product with calendered layer	Bfl-s1 (EN 13501-1)	Not applicable	⩾ 0.3 (EN 13893) and R9/R10 (DIN 51130)	≤ 0.20 % (ISO 23999 and EN 434)	≥ 6 (EN ISO 105-B02)
Product with foam with surface density inferior to 1.20 kg/m²	Cfl-s1 (EN 13501-1)	Between 8 and 21 dB (EN ISO 717-2)			
Product with foam with surface density between 1.20 kg/m² and 1.65 kg/m²	Bfl-s1 & Cfl-s1 (EN 13501-1)				
Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m²	Bfl-s1 & Cfl-s1 (EN 13501-1)				
Product with foam with surface density between 1.80 kg/m² and 1.90 kg/m²	Cfl-s1 (EN 13501-1)				
Product with foam with surface density between 1.90 kg/m² and 2.10 kg/m²	Cfl-s1 (EN 13501-1)				
Product with foam with surface density superior to 2.10 kg/m²	Cfl-s1 (EN 13501-1)				
Product with textile backing with surface density inferior to 1.90 kg/m²	Cfl-s1 (EN 13501-1)				
Product with textile backing with surface density superior to 1.90 kg/m²	Cfl-s1 (EN 13501-1)				
Product with foam and calendered layer (surface density superior to 2.40 kg/m²)	Bfl-s1 & Cfl-s1 (EN 13501-1)				

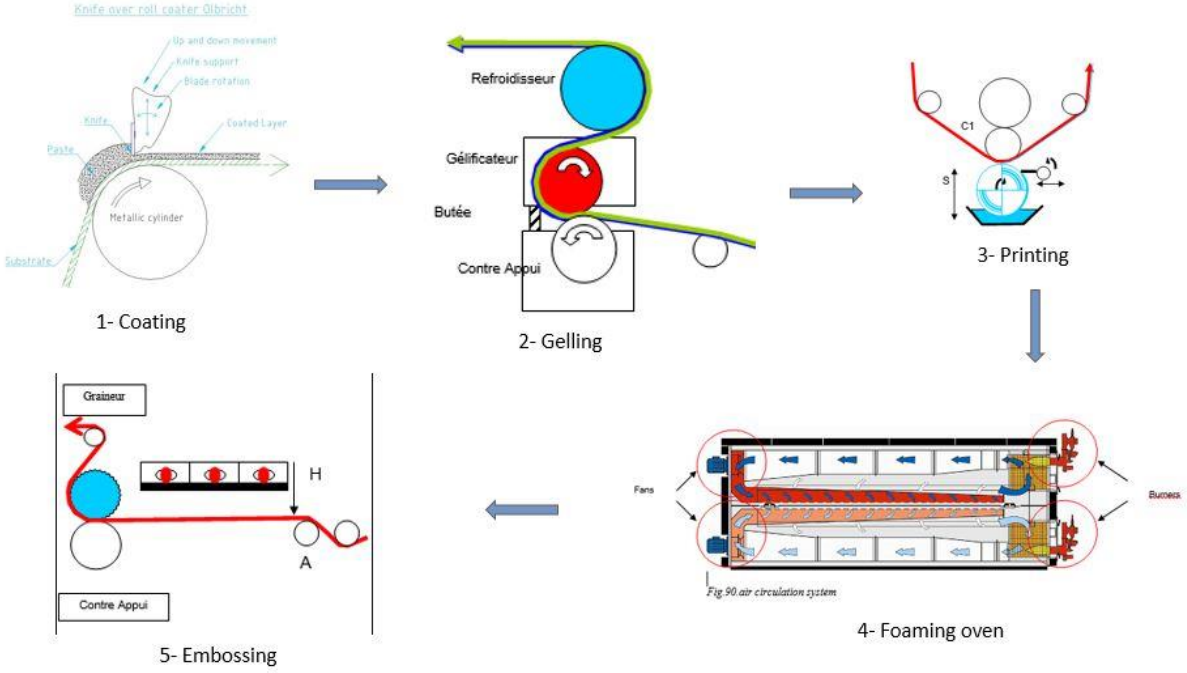
Chemical composition for all representative products are presented in the following table:

	Chemical substances [kg/m²]							
Representative products	PVC	Plasticizer	Stabilizer Blend	Filler	Pigments / Inks	Carrier	Coating	Additives
Product with calendered layer	80 %	4.7 %	< 0.5 %	13 %	< 1 %	0 %	< 1 %	< 0.5 %
Product with foam with surface density inferior to 1.20 kg/m²	36 %	21 %	< 0.5 %	35 %	2.3 %	3.1 %	1.8 %	< 1 %
Product with foam with surface density between 1.20 kg/m² and 1.65 kg/m²	36 %	21 %	< 0.5 %	37 %	1.6 %	2.3 %	< 1 %	< 1 %
Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m²	38 %	22 %	< 0.5 %	33 %	1.9 %	2.2 %	1.7 %	1.2 %
Product with foam with surface density between 1.80 kg/m² and 1.90 kg/m²	35 %	22 %	< 0.5 %	36 %	2 %	1.9 %	2.1 %	1.3 %
Product with foam with surface density between 1.90 kg/m² and 2.10 kg/m²	37 %	21 %	< 0.5 %	37 %	1.2 %	1.8 %	< 1 %	1 %
Product with foam with surface density superior to 2.10 kg/m²	36 %	22 %	< 0.5 %	35 %	1.7 %	1.6 %	1.8 %	1 %
Product with textile backing with surface density inferior to 1.90 kg/m²	39 %	21 %	< 1 %	31 %	1.4 %	6.2 %	< 1 %	1 %
Product with textile backing with surface density superior to 1.90 kg/m²	41 %	21 %	< 1 %	29 %	1.1 %	5 %	< 1 %	1 %
Product with foam and calendered layer (surface density superior to 2.40 kg/m²)	42 %	17 %	< 0.5 %	34 %	1.4 %	2.7 %	1.4 %	< 1 %
Substance concerned with REACH	/	/	/	/	/	/	/	/

Product manufacturing

Production process

The production of the heterogeneous flooring is presented in the following figure:



Production waste

The waste associated to the products manufacturing is in the following table:

Waste type	Unit	Clervaux plant – A, E, G, J	Konz plant – C, F, H, I	Product with foam with surface density inferior to 1.20 kg/m² – B	Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m² – D
Non hazardous waste to landfilling	kg/m²	2.40E-04	0.00E+00	5.83E-05	1.56E-04
Hazardous waste to incineration	kg/m²	2.86E-03	1.07E-03	1.50E-03	2.23E-03
Non hazardous waste to incineration	kg/m²	3.54E-03	4.68E-03	4.40E-03	3.94E-03
Post-manufacturing internal recycling	kg/m²	5.11E-01	0.00E+00	1.24E-01	3.31E-01
Hazardous waste to external recycling	kg/m²	2.75E-03	4.45E-05	7.02E-04	1.80E-03
Non hazardous waste to external recycling	kg/m²	9.38E-02	3.12E-02	4.64E-02	7.18E-02
Hazardous waste-water to external treatment	kg/m²	2.15E-02	0.00E+00	5.22E-03	1.39E-02
Non hazardous waste-water to external treatment	kg/m²	0.00E+00	4.26E-02	3.22E-02	1.50E-02

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

Health, safety and environmental aspects during production

Konz and Clervaux production sites comply with the ISO 9001 Quality Management System, the ISO 14001 Environmental Management System, and Clervaux complies with the ISO 50001 Energy Management and the OHSAS 18001 Occupational Health and Safety Management.

Packaging

Type	Unit	Clervaux plant – A, E, G, J	Konz plant – C, F, H, I	Product with foam with surface density inferior to 1.20 kg/m² – B	Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m² – D
PELD Packaging	kg/m²	9.50E-03	0.00E+00	2.31E-03	6.16E-03
PEHD Packaging	kg/m²	1.83E-03	1.45E-01	1.10E-01	5.22E-02
Cardboard Packaging	kg/m²	7.82E-02	0.00E+00	1.90E-02	5.07E-02
Paper Packaging	kg/m²	0.00E+00	6.39E-02	4.84E-02	2.25E-02

Delivery and installation

Delivery

The average distribution distance between the factories and the installation site is presented in the following table. It has been calculated considering the average distance between European countries where Tarkett is selling products and the Clervaux and Konz factories. The distribution is made by truck.

	Unit	Clervaux plant – A, E, G, J	Konz plant – C, F, H, I	Product with foam with surface density inferior to 1.20 kg/m² – B	Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m² – D
Distance of delivery	km	7.01E+02	7.41E+02	7.31E+02	7.15E+02

Installation

The different parts of the flooring are cut to fit the surface to fit the surface to be covered and they are arranged together so that they can fit perfectly between them on the floor. The different parts of the flooring are loose-laid or glued-down (for ICONIK 260D products) on the subfloor then they are welded together.

Description	Unit	Loose-laid products	Glued-down products – ICONIK 260D collection
Acrylic glue consumption	kg/m^2	0.00E+00	2.50E-01
Acrylic tape consumption	kg/m^2	5.00E-03	0.00E+00

Waste

During the installation approximately 10% of the flooring is lost as off-cuts. All flooring losses are sent to landfilling.

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 heterogeneous poly (vinyl chloride) flooring on foam 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 ISO 10874 in accordance with the product's classification. The service lifetime recommended by Tarkett is 20 years.

Cleaning and maintenance

The maintenance step concerns the cleaning of the floor. Tarkett has provided the recommended maintenance routine for the product throughout the reference life. Water, detergent and electricity consumption of the cleaning machine are considered in the LCA study:

- Common maintenance : 2 cleaning / week
- Periodical maintenance: 2 scrubbing / year

Description	Amount	Unit
Electricity consumption	2.40E-01	kWh/year/m^2
Water consumption	7.00E+00	L/year/m^2
Detergent consumption	9.00E-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

For the purpose of this LCA, it has been assumed that 100% of the product is sent to landfill at the end of its useful life. The transport between construction site and landfill facility is by truck, with an estimated distance of 30 km (according to the FDP01-015).

Data Validation

To validate data, a validity framework has been established. A specific average product has been determined for each category. These ten average products are formed by every elements of LCI. Based on results on all environmentals indicators, it has been shown that these average products are representative of, respectively, one, two, three, three, one, two, one, three, one and three products each. Because there is only one product in four categories (Product with calendered layer, Product with textile backing with surface density superior to 1.90 kg/m², Product with foam with surface density between 1.80 kg/m² and 1.90 kg/m² and Product with foam with surface density superior to 2.10 kg/m ²), impacts of their representative product are the same as theirs. So, following figures do not show them. These are data from these average products which are presented in this EPD.

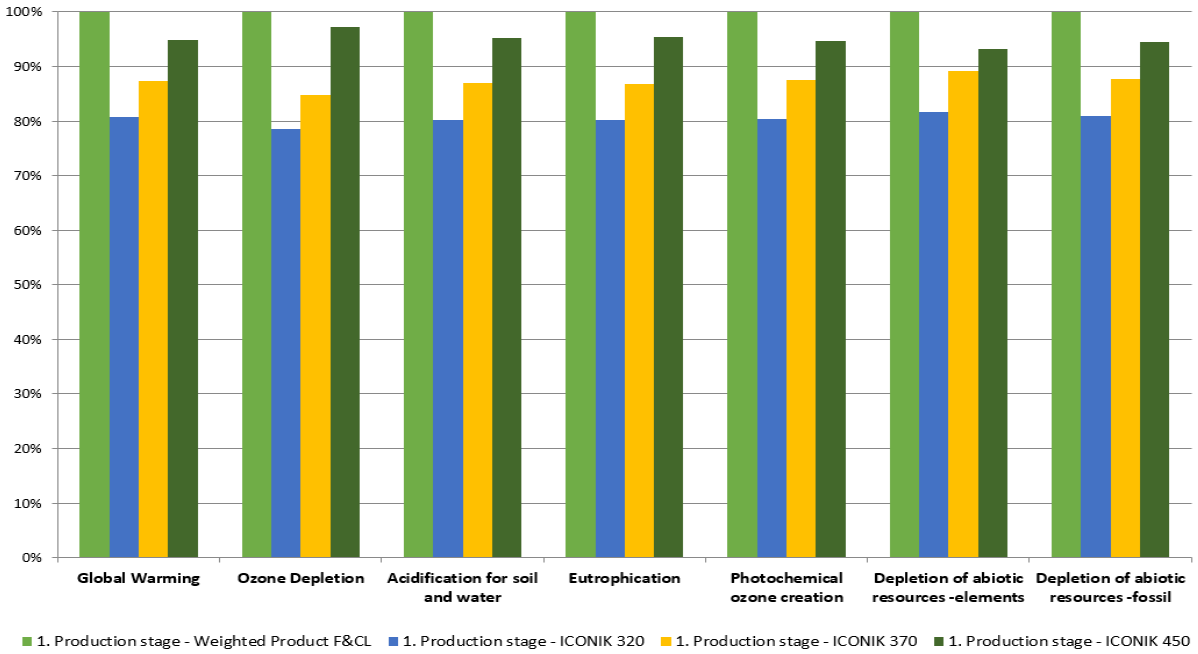


Figure 1: Comparison between products and their average one (Products with Foam and Calendered Layer)

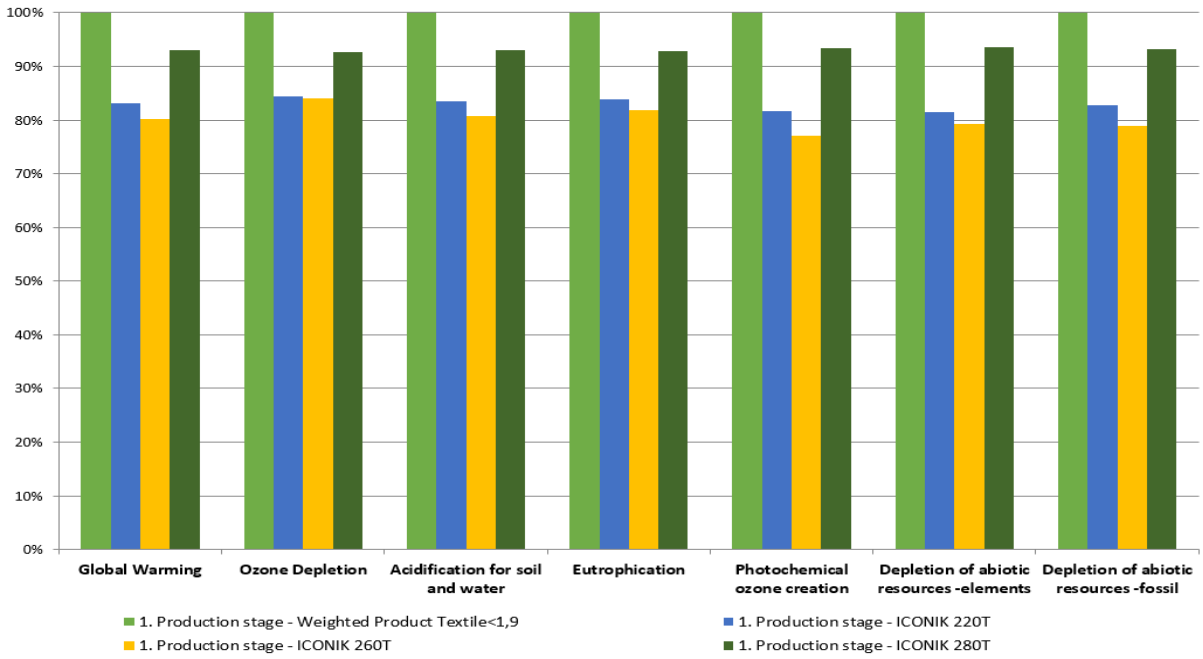


Figure 2: Comparison between products and their average one (Products with Textile Backing with a surface density inferior to 1.90 kg/m²)

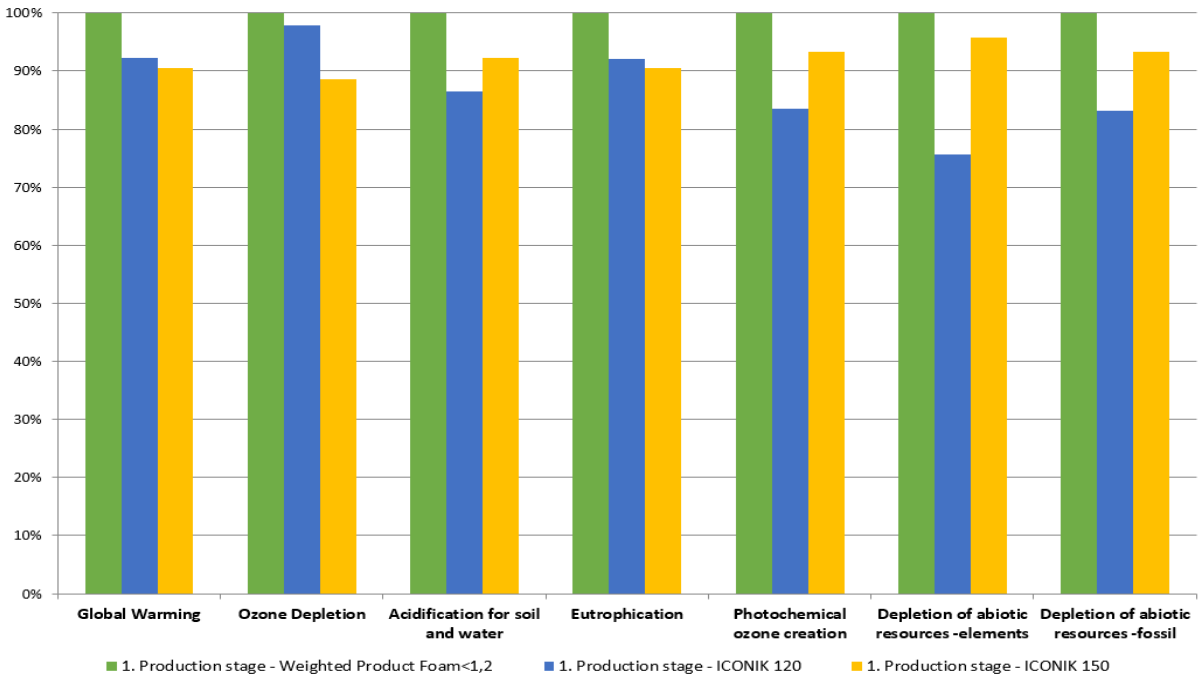


Figure 3: Comparison between products and their average one (Products with Foam with a surface density inferior to 1.20 kg/m²)

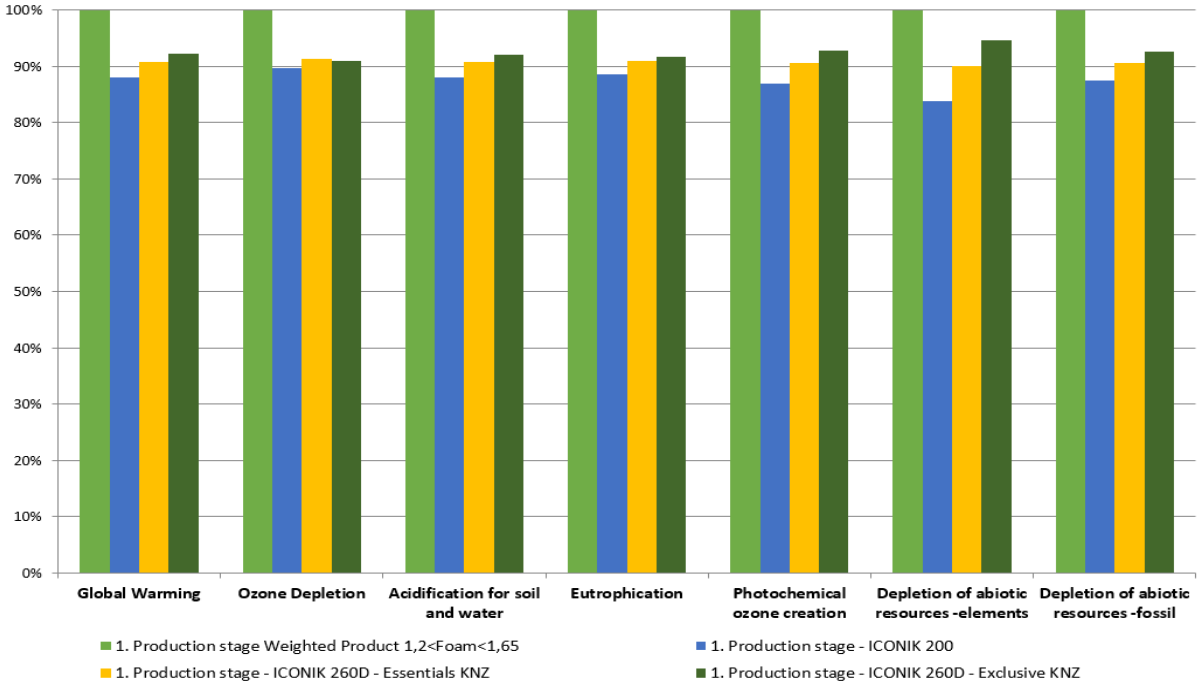


Figure 4: Comparison between products and their average one (Products with Foam with a surface density between 1.20 kg/m² and 1.65 kg/m²)

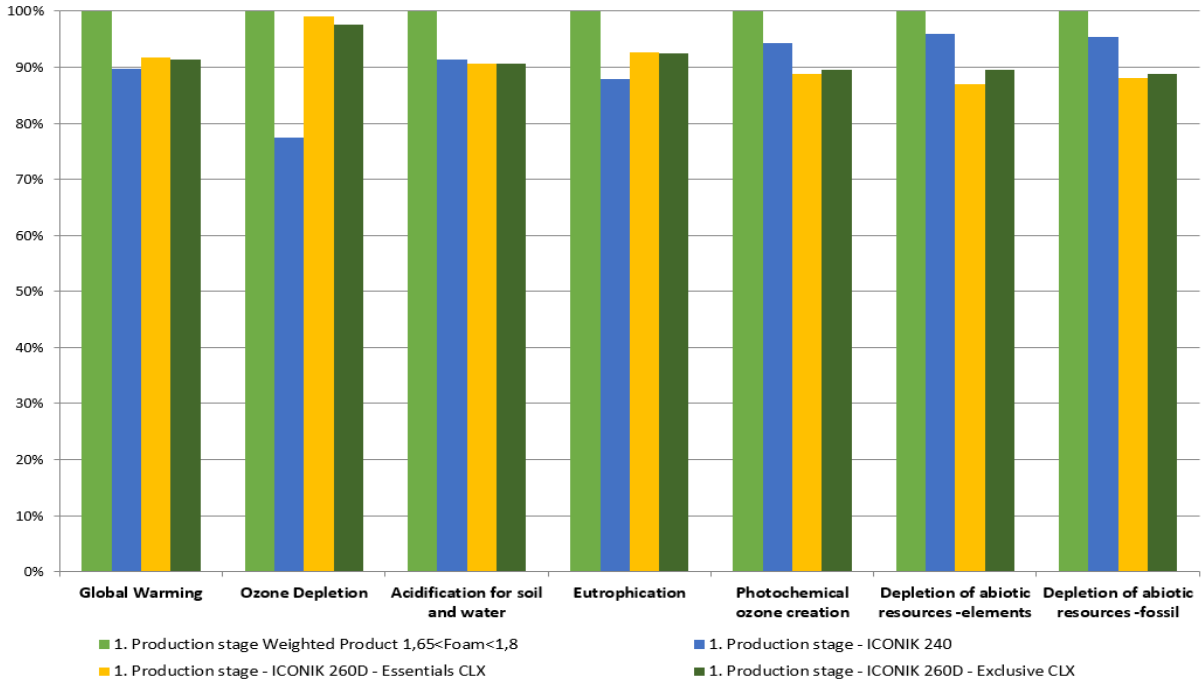


Figure 5: Comparison between products and their average one (Products with Foam with a surface density between 1.65 kg/m² and 1.80 kg/m²)

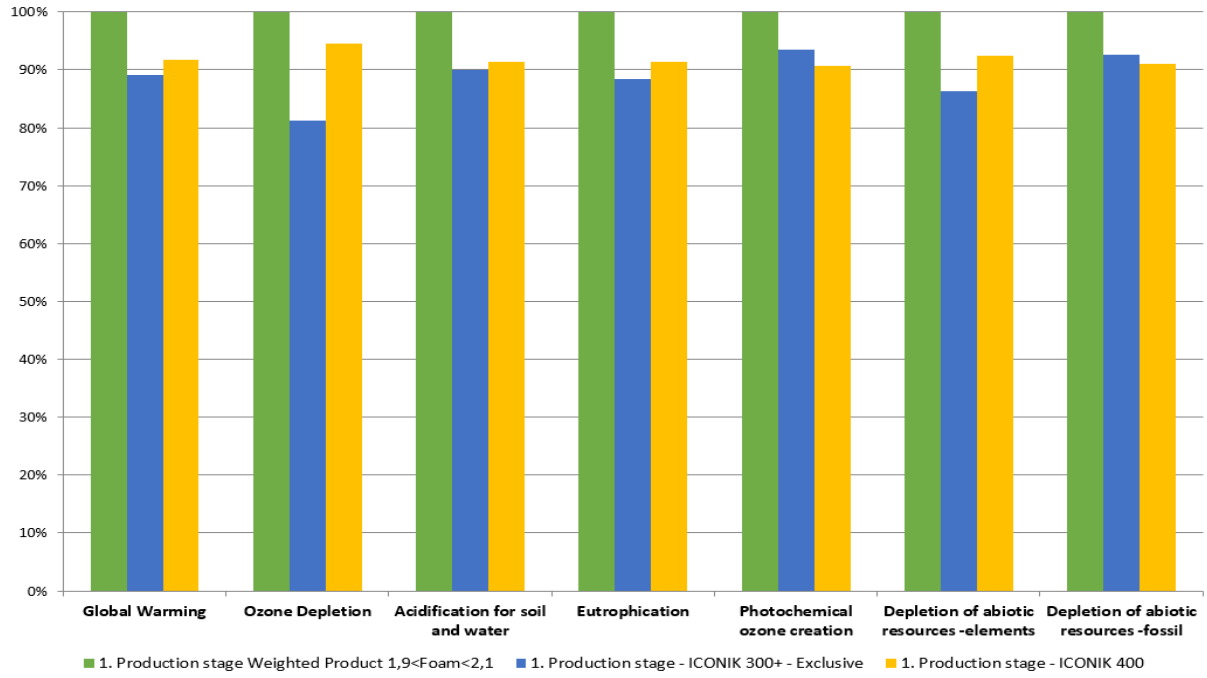


Figure 6: Comparison between products and their average one (Products with Foam with a surface density between 1.90 kg/m² and 2.10 kg/m²)

Environmental performance

Potential environmental impact

A – Product with calendered layer (ICONIK 100)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	3,99E+00	1,97E-01	4,60E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	8,06E-03	0,00E+00	1,02E-01
Ozone Depletion	kg CFC-11 eq	1,34E-07	3,66E-08	1,92E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,50E-09	0,00E+00	4,28E-09
Acidification of soil and water	kg SO2 eq.	1,14E-02	6,23E-04	1,36E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	2,57E-05	0,00E+00	9,49E-05
Eutrophication	kg PO4--- eq	4,76E-03	1,40E-04	1,12E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	5,79E-06	0,00E+00	4,71E-03
Photochemical ozone creation	kg ethylene	3,31E-03	1,01E-04	3,71E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	4,18E-06	0,00E+00	3,18E-05
Depletion of abiotic resources - elements	kg antimony	1,91E-05	6,16E-07	2,08E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	2,51E-08	0,00E+00	2,10E-08
Depletion of abiotic resources - fossil	MJ. net CV	6,99E+01	2,97E+00	7,59E+00	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,21E-01	0,00E+00	3,67E-01

B – Representative product for products with foam with surface density inferior to 1.20 kg/m² (ICONIK 120, ICONIK 150)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	4,06E+00	1,60E-01	5,84E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	5,73E-03	0,00E+00	7,27E-02
Ozone Depletion	kg CFC-11 eq	2,30E-07	2,97E-08	2,86E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,07E-09	0,00E+00	3,05E-09
Acidification of soil and water	kg SO2 eq.	1,37E-02	5,05E-04	1,61E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	1,83E-05	0,00E+00	6,75E-05
Eutrophication	kg PO4--- eq	6,28E-03	1,13E-04	1,38E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	4,12E-06	0,00E+00	3,35E-03
Photochemical ozone creation	kg ethylene	3,08E-03	8,23E-05	3,47E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	2,97E-06	0,00E+00	2,26E-05
Depletion of abiotic resources - elements	kg antimony	1,76E-05	4,99E-07	1,93E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	1,78E-08	0,00E+00	1,50E-08
Depletion of abiotic resources - fossil	MJ. net CV	6,51E+01	2,41E+00	7,08E+00	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	8,64E-02	0,00E+00	2,61E-01

C – Representative product for products with foam with surface density between 1.20 kg/m² and 1.65 kg/m² (ICONIK 200, ICONIK 260D – Essentials KNZ, ICONIK 260D – Exclusive KNZ)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	5,01E+00	2,16E-01	8,58E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	8,02E-03	0,00E+00	1,02E-01
Ozone Depletion	kg CFC-11 eq	2,81E-07	4,02E-08	4,78E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,49E-09	0,00E+00	4,26E-09
Acidification of soil and water	kg SO2 eq.	1,72E-02	6,84E-04	3,44E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	2,56E-05	0,00E+00	9,45E-05
Eutrophication	kg PO4--- eq	7,62E-03	1,54E-04	1,98E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	5,77E-06	0,00E+00	4,69E-03
Photochemical ozone creation	kg ethylene	4,01E-03	1,11E-04	5,63E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	4,16E-06	0,00E+00	3,17E-05
Depletion of abiotic resources - elements	kg antimony	2,51E-05	6,76E-07	3,89E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	2,50E-08	0,00E+00	2,10E-08
Depletion of abiotic resources - fossil	MJ. net CV	8,24E+01	3,26E+00	1,09E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,21E-01	0,00E+00	3,65E-01

D – Representative product for products with foam with surface density between 1.65 kg/m² and 1.80 kg/m² (ICONIK 240, ICONIK 260D – Essentials CLX, ICONIK 260D – Exclusive CLX)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	5,43E+00	2,09E-01	8,88E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	8,64E-03	0,00E+00	1,10E-01
Ozone Depletion	kg CFC-11 eq	3,24E-07	3,90E-08	6,07E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,61E-09	0,00E+00	4,59E-09
Acidification of soil and water	kg SO2 eq.	1,84E-02	6,63E-04	4,62E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	2,76E-05	0,00E+00	1,02E-04
Eutrophication	kg PO4--- eq	8,30E-03	1,49E-04	2,02E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	6,21E-06	0,00E+00	5,05E-03
Photochemical ozone creation	kg ethylene	4,40E-03	1,08E-04	6,88E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	4,48E-06	0,00E+00	3,41E-05
Depletion of abiotic resources - elements	kg antimony	2,40E-05	6,55E-07	4,66E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	2,69E-08	0,00E+00	2,26E-08
Depletion of abiotic resources - fossil	MJ. net CV	8,73E+01	3,16E+00	1,27E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,30E-01	0,00E+00	3,94E-01

E – Representative product for products with foam with surface density between 1.80 kg/m² and 1.90 kg/m² (ICONIK 300)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	5,83E+00	2,15E-01	6,46E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	8,86E-03	0,00E+00	1,12E-01
Ozone Depletion	kg CFC-11 eq	3,75E-07	4,01E-08	4,37E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,65E-09	0,00E+00	4,70E-09
Acidification of soil and water	kg SO2 eq.	1,97E-02	6,81E-04	2,20E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	2,83E-05	0,00E+00	1,04E-04
Eutrophication	kg PO4--- eq	8,99E-03	1,53E-04	1,59E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	6,37E-06	0,00E+00	5,18E-03
Photochemical ozone creation	kg ethylene	4,65E-03	1,11E-04	5,07E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	4,59E-06	0,00E+00	3,49E-05
Depletion of abiotic resources - elements	kg antimony	2,50E-05	6,74E-07	2,68E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	2,75E-08	0,00E+00	2,31E-08
Depletion of abiotic resources - fossil	MJ. net CV	9,10E+01	3,25E+00	9,73E+00	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,33E-01	0,00E+00	4,03E-01

F – Representative product for products with foam with surface density between 1.90 kg/m² and 2.10 kg/m² (ICONIK 300+ – Exclusive, ICONIK 400)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	6,18E+00	2,72E-01	8,54E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	1,01E-02	0,00E+00	1,28E-01
Ozone Depletion	kg CFC-11 eq	3,48E-07	5,07E-08	4,31E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,87E-09	0,00E+00	5,35E-09
Acidification of soil and water	kg SO2 eq.	2,13E-02	8,62E-04	2,41E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	3,21E-05	0,00E+00	1,19E-04
Eutrophication	kg PO4--- eq	9,28E-03	1,93E-04	2,02E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	7,24E-06	0,00E+00	5,89E-03
Photochemical ozone creation	kg ethylene	5,05E-03	1,40E-04	5,53E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	5,22E-06	0,00E+00	3,98E-05
Depletion of abiotic resources - elements	kg antimony	3,21E-05	8,52E-07	3,42E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	3,13E-08	0,00E+00	2,63E-08
Depletion of abiotic resources - fossil	MJ. net CV	1,01E+02	4,11E+00	1,09E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,52E-01	0,00E+00	4,59E-01

G – Representative product for products with foam with surface density superior to 2.10 kg/m² (ICONIK 300+ – Essentials)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	6,60E+00	2,50E-01	7,28E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	1,04E-02	0,00E+00	1,31E-01
Ozone Depletion	kg CFC-11 eq	4,08E-07	4,66E-08	4,78E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,93E-09	0,00E+00	5,51E-09
Acidification of soil and water	kg SO2 eq.	2,21E-02	7,93E-04	2,46E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	3,31E-05	0,00E+00	1,22E-04
Eutrophication	kg PO4--- eq	9,87E-03	1,78E-04	1,77E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	7,45E-06	0,00E+00	6,06E-03
Photochemical ozone creation	kg ethylene	5,46E-03	1,29E-04	5,90E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	5,38E-06	0,00E+00	4,09E-05
Depletion of abiotic resources - elements	kg antimony	2,98E-05	7,83E-07	3,17E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	3,23E-08	0,00E+00	2,71E-08
Depletion of abiotic resources - fossil	MJ. net CV	1,05E+02	3,78E+00	1,12E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,56E-01	0,00E+00	4,72E-01

H – Representative product for products with textile backing with surface density inferior to 1.90 kg/m² (ICONIK 220T, ICONIK 260T, ICONIK 280T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	5,50E+00	2,39E-01	7,80E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	8,71E-03	0,00E+00	1,10E-01
Ozone Depletion	kg CFC-11 eq	2,96E-07	4,45E-08	3,71E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	1,62E-09	0,00E+00	4,63E-09
Acidification of soil and water	kg SO2 eq.	1,93E-02	7,56E-04	2,20E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	2,78E-05	0,00E+00	1,03E-04
Eutrophication	kg PO4--- eq	8,23E-03	1,70E-04	1,84E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	6,26E-06	0,00E+00	5,09E-03
Photochemical ozone creation	kg ethylene	4,50E-03	1,23E-04	4,95E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	4,52E-06	0,00E+00	3,44E-05
Depletion of abiotic resources - elements	kg antimony	3,23E-05	7,47E-07	3,42E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	2,71E-08	0,00E+00	2,27E-08
Depletion of abiotic resources - fossil	MJ. net CV	9,14E+01	3,61E+00	9,87E+00	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,31E-01	0,00E+00	3,97E-01

I – Representative product for products with textile backing with surface density superior to 1.90 kg/m² (ICONIK 320T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	6,58E+00	2,90E-01	8,97E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	1,08E-02	0,00E+00	1,37E-01
Ozone Depletion	kg CFC-11 eq	3,41E-07	5,40E-08	4,27E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	2,01E-09	0,00E+00	5,75E-09
Acidification of soil and water	kg SO2 eq.	2,30E-02	9,18E-04	2,59E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	3,45E-05	0,00E+00	1,27E-04
Eutrophication	kg PO4--- eq	9,68E-03	2,06E-04	2,11E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	7,77E-06	0,00E+00	6,32E-03
Photochemical ozone creation	kg ethylene	5,55E-03	1,50E-04	6,04E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	5,61E-06	0,00E+00	4,27E-05
Depletion of abiotic resources - elements	kg antimony	4,41E-05	9,07E-07	4,63E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	3,36E-08	0,00E+00	2,82E-08
Depletion of abiotic resources - fossil	MJ. net CV	1,10E+02	4,38E+00	1,18E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	1,63E-01	0,00E+00	4,92E-01

J – Representative product for products with foam and calendered layer (surface density superior to 2.40 kg/m²) (ICONIK 320, ICONIK 370, ICONIK 450)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Global Warming	kg CO2 eq	7,35E+00	3,21E-01	8,15E-01	MND	3,55E-01	MND	MND	MND	MND	MND	0.00E+00	1,34E-02	0,00E+00	1,70E-01
Ozone Depletion	kg CFC-11 eq	4,52E-07	5,98E-08	5,37E-08	MND	2,65E-08	MND	MND	MND	MND	MND	0.00E+00	2,49E-09	0,00E+00	7,11E-09
Acidification of soil and water	kg SO2 eq.	2,46E-02	1,02E-03	2,73E-03	MND	1,47E-03	MND	MND	MND	MND	MND	0.00E+00	4,27E-05	0,00E+00	1,58E-04
Eutrophication	kg PO4--- eq	1,07E-02	2,28E-04	2,04E-03	MND	1,25E-03	MND	MND	MND	MND	MND	0.00E+00	9,63E-06	0,00E+00	7,83E-03
Photochemical ozone creation	kg ethylene	5,95E-03	1,66E-04	6,44E-04	MND	2,01E-04	MND	MND	MND	MND	MND	0.00E+00	6,94E-06	0,00E+00	5,28E-05
Depletion of abiotic resources - elements	kg antimony	3,49E-05	1,00E-06	3,71E-06	MND	8,80E-07	MND	MND	MND	MND	MND	0.00E+00	4,17E-08	0,00E+00	3,50E-08
Depletion of abiotic resources - fossil	MJ. net CV	1,16E+02	4,85E+00	1,24E+01	MND	2,35E+00	MND	MND	MND	MND	MND	0.00E+00	2,02E-01	0,00E+00	6,10E-01

Use of resources

A – Product with calendered layer (ICONIK 100)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	3,83E+00	4,43E-02	4,05E-01	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,81E-03	0,00E+00	1,17E-02
Renewable primary energy used as RM	MJ. net CV	1,17E+00	0,00E+00	1,17E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	5,00E+00	4,43E-02	5,22E-01	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,81E-03	0,00E+00	1,17E-02
Non renewable primary energy excl. RM	MJ. net CV	6,27E+01	3,04E+00	6,75E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,24E-01	0,00E+00	3,92E-01
Non renewable primary energy used as RM	MJ. net CV	2,57E+01	0,00E+00	2,74E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	8,84E+01	3,04E+00	9,48E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,24E-01	0,00E+00	3,92E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,23E-01	5,72E-04	2,28E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,34E-05	0,00E+00	4,64E-04

B – Representative product for products with foam with surface density inferior to 1.20 kg/m² (ICONIK 120, ICONIK 150)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	8,45E+00	3,60E-02	8,67E-01	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,29E-03	0,00E+00	8,31E-03
Renewable primary energy used as RM	MJ. net CV	9,14E-01	0,00E+00	9,14E-02	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	9,36E+00	3,60E-02	9,59E-01	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,29E-03	0,00E+00	8,31E-03
Non renewable primary energy excl. RM	MJ. net CV	5,65E+01	2,47E+00	6,10E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	8,84E-02	0,00E+00	2,79E-01
Non renewable primary energy used as RM	MJ. net CV	2,04E+01	0,00E+00	2,21E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	7,69E+01	2,47E+00	8,30E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	8,84E-02	0,00E+00	2,79E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	1,40E-01	4,64E-04	1,46E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	1,66E-05	0,00E+00	3,30E-04

C – Representative product for products with foam with surface density between 1.20 kg/m² and 1.65 kg/m² (ICONIK 200, ICONIK 260D – Essentials KNZ, ICONIK 260D – Exclusive KNZ)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	1,16E+01	4,87E-02	1,36E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,80E-03	0,00E+00	1,16E-02
Renewable primary energy used as RM	MJ. net CV	8,71E-01	0,00E+00	8,71E-02	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,25E+01	4,87E-02	1,44E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,80E-03	0,00E+00	1,16E-02
Non renewable primary energy excl. RM	MJ. net CV	7,10E+01	3,34E+00	8,29E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,24E-01	0,00E+00	3,91E-01
Non renewable primary energy used as RM	MJ. net CV	2,61E+01	0,00E+00	4,33E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	9,71E+01	3,34E+00	1,26E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,24E-01	0,00E+00	3,91E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	1,91E-01	6,28E-04	2,30E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,33E-05	0,00E+00	4,62E-04

D – Representative product for products with foam with surface density between 1.65 kg/m² and 1.80 kg/m² (ICONIK 240, ICONIK 260D – Essentials CLX, ICONIK 260D – Exclusive CLX)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	9,65E+00	4,72E-02	1,28E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,94E-03	0,00E+00	1,25E-02
Renewable primary energy used as RM	MJ. net CV	1,13E+00	0,00E+00	1,13E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,08E+01	4,72E-02	1,39E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,94E-03	0,00E+00	1,25E-02
Non renewable primary energy excl. RM	MJ. net CV	7,44E+01	3,24E+00	9,04E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,33E-01	0,00E+00	4,21E-01
Non renewable primary energy used as RM	MJ. net CV	2,96E+01	0,00E+00	5,84E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,04E+02	3,24E+00	1,49E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,33E-01	0,00E+00	4,21E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,00E-01	6,09E-04	2,61E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,50E-05	0,00E+00	4,98E-04

E – Representative product for products with foam with surface density between 1.80 kg/m² and 1.90 kg/m² (ICONIK 300)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	8,68E+00	4,85E-02	8,91E-01	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,99E-03	0,00E+00	1,28E-02
Renewable primary energy used as RM	MJ. net CV	1,21E+00	0,00E+00	1,21E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	9,89E+00	4,85E-02	1,01E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,99E-03	0,00E+00	1,28E-02
Non renewable primary energy excl. RM	MJ. net CV	7,72E+01	3,33E+00	8,22E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,37E-01	0,00E+00	4,31E-01
Non renewable primary energy used as RM	MJ. net CV	3,16E+01	0,00E+00	3,32E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,09E+02	3,33E+00	1,15E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,37E-01	0,00E+00	4,31E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,01E-01	6,26E-04	2,06E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,57E-05	0,00E+00	5,10E-04

F – Representative product for products with foam with surface density between 1.90 kg/m² and 2.10 kg/m² (ICONIK 300+ – Exclusive, ICONIK 400)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	1,41E+01	6,14E-02	1,44E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	2,26E-03	0,00E+00	1,46E-02
Renewable primary energy used as RM	MJ. net CV	9,10E-01	0,00E+00	9,10E-02	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,51E+01	6,14E-02	1,53E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	2,26E-03	0,00E+00	1,46E-02
Non renewable primary energy excl. RM	MJ. net CV	8,74E+01	4,21E+00	9,40E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,55E-01	0,00E+00	4,91E-01
Non renewable primary energy used as RM	MJ. net CV	3,23E+01	0,00E+00	3,40E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,20E+02	4,21E+00	1,28E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,55E-01	0,00E+00	4,90E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,46E-01	7,92E-04	2,53E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,92E-05	0,00E+00	5,80E-04

G – Representative product for products with foam with surface density superior to 2.10 kg/m² (ICONIK 300+ – Essentials)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	9,89E+00	5,64E-02	1,01E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	2,33E-03	0,00E+00	1,50E-02
Renewable primary energy used as RM	MJ. net CV	1,24E+00	0,00E+00	1,24E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,11E+01	5,64E-02	1,14E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	2,33E-03	0,00E+00	1,50E-02
Non renewable primary energy excl. RM	MJ. net CV	8,71E+01	3,87E+00	9,28E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,60E-01	0,00E+00	5,05E-01
Non renewable primary energy used as RM	MJ. net CV	3,79E+01	0,00E+00	3,96E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,25E+02	3,87E+00	1,32E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,60E-01	0,00E+00	5,05E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,38E-01	7,28E-04	2,43E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	3,00E-05	0,00E+00	5,97E-04

H – Representative product for products with textile backing with surface density inferior to 1.90 kg/m² (ICONIK 220T, ICONIK 260T, ICONIK 280T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	1,26E+01	5,38E-02	1,29E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	1,95E-03	0,00E+00	1,26E-02
Renewable primary energy used as RM	MJ. net CV	9,63E-01	0,00E+00	9,63E-02	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,36E+01	5,38E-02	1,38E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	1,95E-03	0,00E+00	1,26E-02
Non renewable primary energy excl. RM	MJ. net CV	7,94E+01	3,69E+00	8,54E+00	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,34E-01	0,00E+00	4,24E-01
Non renewable primary energy used as RM	MJ. net CV	2,89E+01	0,00E+00	3,05E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,08E+02	3,69E+00	1,16E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,34E-01	0,00E+00	4,24E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,19E-01	6,95E-04	2,26E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	2,52E-05	0,00E+00	5,02E-04

I – Representative product for products with textile backing with surface density superior to 1.90 kg/m² (ICONIK 320T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	1,51E+01	6,53E-02	1,54E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	2,43E-03	0,00E+00	1,57E-02
Renewable primary energy used as RM	MJ. net CV	1,10E+00	0,00E+00	1,10E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,62E+01	6,53E-02	1,65E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	2,43E-03	0,00E+00	1,57E-02
Non renewable primary energy excl. RM	MJ. net CV	9,55E+01	4,48E+00	1,02E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,67E-01	0,00E+00	5,27E-01
Non renewable primary energy used as RM	MJ. net CV	3,52E+01	0,00E+00	3,69E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,31E+02	4,48E+00	1,39E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	1,67E-01	0,00E+00	5,27E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,77E-01	8,43E-04	2,84E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	3,13E-05	0,00E+00	6,23E-04

J – Representative product for products with foam and calendered layer (surface density superior to 2.40 kg/m²) (ICONIK 320, ICONIK 370, ICONIK 450)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2.	B3	B4	B5	B6	B7	C1	C2.	C3	C4
Renewable primary energy excl. RM	MJ. net CV	1,07E+01	7,24E-02	1,10E+00	MND	8,01E-01	MND	MND	MND	MND	MND	0.00E+00	3,00E-03	0,00E+00	1,94E-02
Renewable primary energy used as RM	MJ. net CV	1,24E+00	0,00E+00	1,24E-01	MND	1,41E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total renewable primary energy	MJ. net CV	1,20E+01	7,24E-02	1,22E+00	MND	2,21E+00	MND	MND	MND	MND	MND	0.00E+00	3,00E-03	0,00E+00	1,94E-02
Non renewable primary energy excl. RM	MJ. net CV	9,50E+01	4,97E+00	1,02E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	2,07E-01	0,00E+00	6,52E-01
Non renewable primary energy used as RM	MJ. net CV	4,40E+01	0,00E+00	4,57E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Total non renewable primary energy	MJ. net CV	1,39E+02	4,96E+00	1,48E+01	MND	3,67E+00	MND	MND	MND	MND	MND	0.00E+00	2,07E-01	0,00E+00	6,52E-01
Use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels	MJ. net CV	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m3	2,73E-01	9,34E-04	2,79E-02	MND	1,42E-02	MND	MND	MND	MND	MND	0.00E+00	3,88E-05	0,00E+00	7,72E-04

Waste production and output flows

A – Product with calendered layer (ICONIK 100)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	9,27E-02	1,80E-03	1,24E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	7,33E-05	0,00E+00	3,39E-04
Non hazardous waste disposed	kg	3,99E-01	1,59E-01	2,75E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	6,47E-03	0,00E+00	1,65E+00
Radioactive waste disposed	kg	9,10E-05	2,09E-05	1,24E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	8,54E-07	0,00E+00	2,60E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,01E-01	0,00E+00	3,01E-02	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

B – Representative product for products with foam with surface density inferior to 1.20 kg/m² (ICONIK 120, ICONIK 150)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,11E-01	1,46E-03	1,65E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	5,22E-05	0,00E+00	2,41E-04
Non hazardous waste disposed	kg	8,18E-01	1,29E-01	3,13E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	4,60E-03	0,00E+00	1,18E+00
Radioactive waste disposed	kg	1,26E-04	1,69E-05	1,57E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	6,07E-07	0,00E+00	1,85E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	4,64E-02	0,00E+00	4,64E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

C – Representative product for products with foam with surface density between 1.20 kg/m² and 1.65 kg/m² (ICONIK 200, ICONIK 260D – Essentials KNZ, ICONIK 260D – Exclusive KNZ)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,36E-01	1,98E-03	3,85E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	7,30E-05	0,00E+00	3,38E-04
Non hazardous waste disposed	kg	1,01E+00	1,74E-01	4,85E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	6,44E-03	0,00E+00	1,65E+00
Radioactive waste disposed	kg	1,46E-04	2,29E-05	2,55E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	8,50E-07	0,00E+00	2,59E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,12E-02	0,00E+00	3,12E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

D – Representative product for products with foam with surface density between 1.65 kg/m² and 1.80 kg/m² (ICONIK 240, ICONIK 260D – Essentials CLX, ICONIK 260D – Exclusive CLX)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,51E-01	1,91E-03	5,20E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	7,86E-05	0,00E+00	3,64E-04
Non hazardous waste disposed	kg	1,14E+00	1,69E-01	5,23E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	6,94E-03	0,00E+00	1,77E+00
Radioactive waste disposed	kg	1,81E-04	2,22E-05	3,39E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	9,16E-07	0,00E+00	2,79E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	7,18E-02	0,00E+00	7,18E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

E – Representative product for products with foam with surface density between 1.80 kg/m² and 1.90 kg/m² (ICONIK 300)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,64E-01	1,97E-03	1,95E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	8,06E-05	0,00E+00	3,73E-04
Non hazardous waste disposed	kg	1,28E+00	1,74E-01	3,82E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	7,11E-03	0,00E+00	1,82E+00
Radioactive waste disposed	kg	2,12E-04	2,29E-05	2,47E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	9,38E-07	0,00E+00	2,86E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	9,38E-02	0,00E+00	9,38E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

F – Representative product for products with foam with surface density between 1.90 kg/m² and 2.10 kg/m² (ICONIK 300+ – Exclusive, ICONIK 400)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,66E-01	2,49E-03	2,29E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	9,17E-05	0,00E+00	4,24E-04
Non hazardous waste disposed	kg	1,25E+00	2,20E-01	4,70E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	8,09E-03	0,00E+00	2,07E+00
Radioactive waste disposed	kg	1,78E-04	2,89E-05	2,23E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	1,07E-06	0,00E+00	3,25E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,12E-02	0,00E+00	3,12E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

G – Representative product for products with foam with surface density superior to 2.10 kg/m² (ICONIK 300+ – Essentials)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,81E-01	2,29E-03	2,12E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	9,43E-05	0,00E+00	4,37E-04
Non hazardous waste disposed	kg	1,44E+00	2,02E-01	4,31E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	8,32E-03	0,00E+00	2,13E+00
Radioactive waste disposed	kg	2,35E-04	2,66E-05	2,75E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	1,10E-06	0,00E+00	3,35E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	9,38E-02	0,00E+00	9,38E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

H – Representative product for products with textile backing with surface density inferior to 1.90 kg/m² (ICONIK 220T, ICONIK 260T, ICONIK 280T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,47E-01	2,18E-03	2,09E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	7,92E-05	0,00E+00	3,67E-04
Non hazardous waste disposed	kg	1,09E+00	1,93E-01	4,23E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	6,99E-03	0,00E+00	1,79E+00
Radioactive waste disposed	kg	1,58E-04	2,54E-05	1,98E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	9,23E-07	0,00E+00	2,81E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,12E-02	0,00E+00	3,12E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

I – Representative product for products with textile backing with surface density superior to 1.90 kg/m² (ICONIK 320T)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,75E-01	2,65E-03	2,38E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	9,84E-05	0,00E+00	4,56E-04
Non hazardous waste disposed	kg	1,29E+00	2,34E-01	4,90E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	8,68E-03	0,00E+00	2,22E+00
Radioactive waste disposed	kg	1,82E-04	3,08E-05	2,29E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	1,15E-06	0,00E+00	3,49E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,12E-02	0,00E+00	3,12E-03	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

J – Representative product for products with foam and calendered layer (surface density superior to 2.40 kg/m²) (ICONIK 320, ICONIK 370, ICONIK 450)															
PARAMETER	UNIT	Product stage	Construction stage		Use stage							End of life stage			
		Total Production	Transport	Installation	Use	Maintenance	Repair	Replacement	refurbishment	Operational energy use	Operational water use	De-construction	Transport	Waste processing	Disposal
		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Hazardous waste disposed	kg	1,98E-01	2,94E-03	2,30E-02	MND	1,78E-02	MND	MND	MND	MND	MND	0.00E+00	1,22E-04	0,00E+00	5,64E-04
Non hazardous waste disposed	kg	1,55E+00	2,59E-01	5,11E-01	MND	9,75E-02	MND	MND	MND	MND	MND	0.00E+00	1,08E-02	0,00E+00	2,75E+00
Radioactive waste disposed	kg	2,56E-04	3,41E-05	3,04E-05	MND	1,93E-05	MND	MND	MND	MND	MND	0.00E+00	1,42E-06	0,00E+00	4,33E-06
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	3,15E-01	0,00E+00	3,15E-02	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	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	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy (steam)	MJ	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	MND	MND	MND	MND	MND	0.00E+00	0,00E+00	0,00E+00	0,00E+00

MND: Module not declared

Programme-related information and verification

The EPD owner has the sole ownership liability and responsibility for the flooring EPD. EPDs within the same product category but from different programmes may not be comparable. EPDs of floor products may not be comparable if they do not comply with EN 15804 and 16810.

Programme:	The International EPD® System EPD International AB Box 210 60 SE-100 31 Stockholm Sweden www.environdec.com info@environdec.com
EPD registration number:	S-P-01997
ECO EPD Ref. number:	00001168
Published:	2020-08-21
Valid until:	2025-07-27
Product Category Rules:	PCR 2012:01 version 2.3 and Sub-PCR-F Resilient, textile and laminate floor coverings (EN 16810)
Product group classification:	UN CPC APE/NAF - 2223Z
Reference year for data:	2019
Geographical scope:	Europe

CEN standard EN 15804 and EN 16810 serve as the Core Product Category Rules (PCR)
Product category rules (PCR): EN 15804 and EN 16810
Independent third-party verification of the declaration and data. according to ISO 14025:2010: ☐ EPD process certification ■ EPD verification
Third party verifier: Damien PRUNEL. BUREAU VERITAS LCIE
Procedure for follow-up of data during EPD validity involves third party verifier: ☒ Yes ☐ No

References

General Programme Instructions of the International EPD® System. Version 3.0.

PCR 2012:01 version 2.3 and Sub-PCR-F Resilient, textile and laminate floor coverings (EN 16810)

Contact information:

	Programme operator: EPD International AB info@environdec.com		
	Author of the Life Cycle Assessment TARKETT Tarkett La Défense 1 Terrasse Bellini 92 400 Paris	Tel Mail Web	+33 (0)1 41 20 40 48 gabrielle.perier@tarkett.com www.tarkett.com
	Owner of the Declaration TARKETT Tarkett La Défense 1 Terrasse Bellini 92 400 Paris	Tel Mail Web	+33 (0)1 41 20 40 48 gabrielle.perier@tarkett.com www.tarkett.com
	Reviewer BUREAU VERITAS LCIE 170 rue de Chatagnon ZI Centr'alp 38 430 Moirans - FRANCE	Tel Mail Web	+33 (0)4 76 07 36 42 damien.prunel@bureauveritas.com www.codde.fr

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Communication to customers in accordance with Article 33 of REACH Regulations

European Union Regulation EC1907/2006 concerning the Registration, Evaluation, Authorization and restriction of Chemicals

Dear customer,

Tarkett manufactures "articles" as defined by REACH, i.e. floor and wall coverings. Articles are not "substances" or "preparations" and accordingly, articles are not subject to registration or authorization requirements under REACH.

According to article 33 of REACH, Tarkett has obligations under REACH to inform downstream users of our products, if the content of certain substances listed in the Candidate list of Substances of Very High Concern (SVHC) for authorization exceeds a concentration of 0.1 % mass weight in the provided articles.

Reach regulation is updated on a regular basis and Tarkett raw materials portfolio is reviewed accordingly.

As of July 1st 2024, Tarkett can confirm that none of its resilient, textile, laminate, wooden floor coverings as well as wall coverings manufactured in its European Union plants contains any of the SVHC listed substances above 0,1% of product weight.

When reviewing compliance to article 33, Tarkett takes into consideration the inclusion of SVHC into the Annex XIV – Authorization list, and the conditions or restriction specified by the Annex XVII, according to the requirements of article 67.

Latest update of the candidate List (**27/06/2024**), authorization list and list of restrictions, can be consulted on the ECHA websites:

- https://echa.europa.eu/candidate-list-table
- https://echa.europa.eu/authorisation-list
- https://echa.europa.eu/recommendation-for-inclusion-in-the-authorisation-list
- https://echa.europa.eu/substances-restricted-under-reach

Recycling

As far as recycling of floorings is concerned, Tarkett has always been a major player in this field and has been striving to minimize the depletion of natural resources. In accordance with the European Parliament's Directive 2006/12/EC encouraging the reuse of materials, Tarkett intends to actively continue this policy, in respect of REACH regulation, when considering the procurement of recycled raw material. External sources of PVC recyclates are analyzed to eliminate the risk of introducing SVHC classified plasticizers in our formulations.

Specific product related information is provided in Declaration of performances (DOP) according to CE Marking EU regulation n°305/2011.

We believe that this clarifies Tarkett's position and we hope to have answered your questions.

Demosthene Sakkas
Tarkett EMEA Quality Director

Slavoljub Martinovic
Tarkett EMEA & LATAM Division President

Date : July 22 , 2024