



# SHI-PRODUKTPASS

Produkte finden - Gebäude zertifizieren

SHI-Produktpass-Nr.:

**13491-10-1006**

## Iconik 280 Tex, Iconik 260 Tex

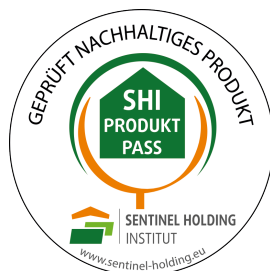
Warengruppe: Vinylboden - Designboden zum Kleben



Tarkett Holding GmbH  
Rheinallee 13  
67061 Ludwigshafen



### Produktqualitäten:



*Köttner*

**Helmut Köttner**  
Wissenschaftlicher Leiter  
Freiburg, den 27.08.2025



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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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## 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<br>Schadstoffvermeidung in<br>Baumaterialien  | 2.2 Elastische Bodenbeläge –<br>auch mehrschichtige Systeme | VOC / Emissionen / gefährliche<br>Stoffe / Polyzyklische<br>Aromatische<br>Kohlenwasserstoffe (PAK) /<br>SVHC / Schwermetalle | QNG-ready    |
| <b>Nachweis:</b> Herstellererklärung vom 26.02.2025 |                                                             |                                                                                                                               |              |



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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                   |                                                              |                                                               |                   |



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## **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 /<br>Bau-Materialien / Flächen | Betrachtete Stoffe / Aspekte       | Qualitätsstufe    |
|-----------------------------------------------------|----------------------------------------------------------|------------------------------------|-------------------|
| ENV 1.2 Risiken für die<br>lokale Umwelt            | 7 Bodenbeläge (Elastische<br>Bodenbeläge)                | VOC / SVOC / gefährliche<br>Stoffe | Qualitätsstufe: 4 |
| <b>Nachweis:</b> Herstellererklärung vom 26.02.2025 |                                                          |                                    |                   |



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# 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.



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.



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.



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## 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.

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Alle Kriterien finden Sie unter:

<https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte>

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### Herausgeber

Sentinel Holding Institut GmbH  
Bötzingen Str. 38  
79111 Freiburg im Breisgau  
Tel.: +49 761 59048170  
[info@sentinel-holding.eu](mailto:info@sentinel-holding.eu)  
[www.sentinel-holding.eu](http://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 ( $\mu \geq 0,30$ )                                                |
| Rutschsicherheit (DIN 51130)                      | DIN 51130      | R10                                                                          |
| Aufladungsspannung                                | EN 1815        | Antistatisch ( $\leq 2$ kV)                                                  |
| Wärmedurchlasswiderstand                          | ISO 10456      | 0,040 m²•K/W                                                                 |
| Leistungsmerkmale                                 | Normen         | Produktwerte                                                                 |
| Resteindruck                                      | EN ISO 24343-1 | $\leq 0,35$ mm                                                               |
| Trittschallverbesserung - $\Delta L_w$            | EN ISO 717-2   | 18 dB                                                                        |
| Lichtechtheit                                     | ISO 105-B02    | $\geq 6$                                                                     |
| Chemikalieneinwirkung ISO 26987                   | ISO 26987      | Nicht verändert                                                              |
| Warmwasser-Fußbodenheizung                        |                | Ja (maximal 27°C)                                                            |
| Dimensionsstabilität                              | EN ISO 23999   | Durchschnittlich gemessener Wert : $\leq 0,15$ %                             |
| 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 <sub>2</sub> e /m²                                                |
| Phthalatfrei                                      |                | Ja                                                                           |
| VOC Emissionswert                                 | EN 16516       | $\leq 100$ 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                                                                       |
| Rutsicherheit (EN 13893)                          | EN 13893       | Klasse DS ( $\mu \geq 0,30$ )                                                |
| Rutsicherheit (DIN 51130)                         | DIN 51130      | R10                                                                          |
| Aufladungsspannung                                | EN 1815        | Antistatisch ( $\leq 2$ kV)                                                  |
| Wärmedurchlasswiderstand                          | ISO 10456      | 0,030 m²•K/W                                                                 |
| Leistungsmerkmale                                 | Normen         | Produktwerte                                                                 |
| Resteindruck                                      | EN ISO 24343-1 | $\leq 0,20$ mm                                                               |
| Stuhlrollenbeanspruchung (Typ W)                  | ISO 4918       | Keine Beschädigung                                                           |
| Trittschallverbesserung - $\Delta L_w$            | EN ISO 717-2   | 19 dB                                                                        |
| Lichteinheit                                      | ISO 105-B02    | $\geq 6$                                                                     |
| Chemikalieneinwirkung ISO 26987                   | ISO 26987      | Nicht verändert                                                              |
| Warmwasser-Fußbodenheizung                        |                | Ja (maximal 27°C)                                                            |
| Dimensionsstabilität                              | EN ISO 23999   | Durchschnittlich gemessener Wert : $\leq 0,15$ %                             |
| 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 CO2e /m²                                                             |
| Phthalatfrei                                      |                | Ja                                                                           |
| VOC Emissionswert                                 | EN 16516       | $\leq 100$ 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<br>Rolle 3 x 25 m<br>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.

Sentinel Holding Institut GmbH  
Bötzingstraße 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  $\leq 0,1$  % reproduktionstoxische Phthalate enthält. Es sind keine Blei-, Zinn- und Cadmiumstabilisatoren enthalten. Der genannte Bodenbelag enthält  $< 0,1$  % Chlorparaffine (SCCPs + MCCPs + LCCPs) und  $\leq 0,1$  % SVHC.

Bei der Überprüfung der Einhaltung der REACH-Verordnung, 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  $\leq 100 \mu\text{g}/\text{m}^3$  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](mailto: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](http://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<br><a href="http://www.environdec.com">www.environdec.com</a> |
| 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](mailto: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

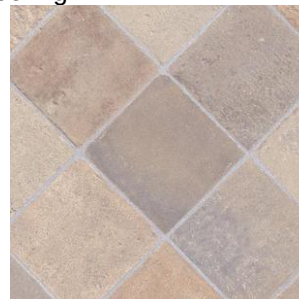
**Product identification:** Expanded (cushioned) poly(vinyl chloride) floor covering (ISO 26986)

### 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<sup>2</sup> 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

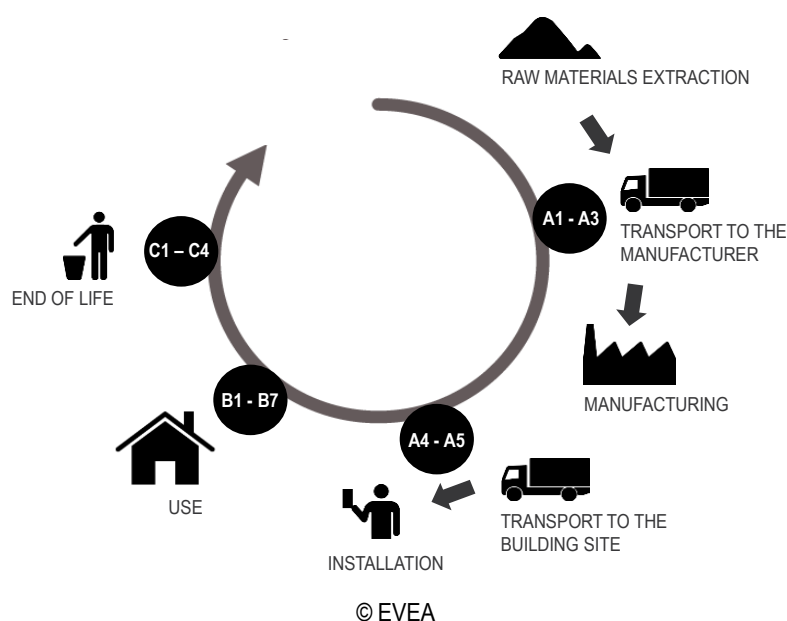
The system boundary is based on the EN 15804 description.

**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.



## 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                                                | C4       |
| 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  $\pm 10\%$  (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/m <sup>2</sup> ) | 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<br>(EN 13501-1)          | Not applicable                     | ≥ 0.3 (EN 13893)<br>and R9/R10 (DIN 51130) | ≤ 0.20 %<br>(ISO 23999 and EN 434) | ≥ 6 (EN ISO 105-B02) |
| Product with foam with surface density inferior to 1.20 kg/m²                   | Cfl-s1<br>(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<br>(EN 13501-1) |                                    |                                            |                                    |                      |
| Product with foam with surface density between 1.65 kg/m² and 1.80 kg/m²        | Bfl-s1 & Cfl-s1<br>(EN 13501-1) |                                    |                                            |                                    |                      |
| Product with foam with surface density between 1.80 kg/m² and 1.90 kg/m²        | Cfl-s1<br>(EN 13501-1)          |                                    |                                            |                                    |                      |
| Product with foam with surface density between 1.90 kg/m² and 2.10 kg/m²        | Cfl-s1<br>(EN 13501-1)          |                                    |                                            |                                    |                      |
| Product with foam with surface density superior to 2.10 kg/m²                   | Cfl-s1<br>(EN 13501-1)          |                                    |                                            |                                    |                      |
| Product with textile backing with surface density inferior to 1.90 kg/m²        | Cfl-s1<br>(EN 13501-1)          |                                    |                                            |                                    |                      |
| Product with textile backing with surface density superior to 1.90 kg/m²        | Cfl-s1<br>(EN 13501-1)          |                                    |                                            |                                    |                      |
| Product with foam and calendered layer (surface density superior to 2.40 kg/m²) | Bfl-s1 & Cfl-s1<br>(EN 13501-1) |                                    |                                            |                                    |                      |

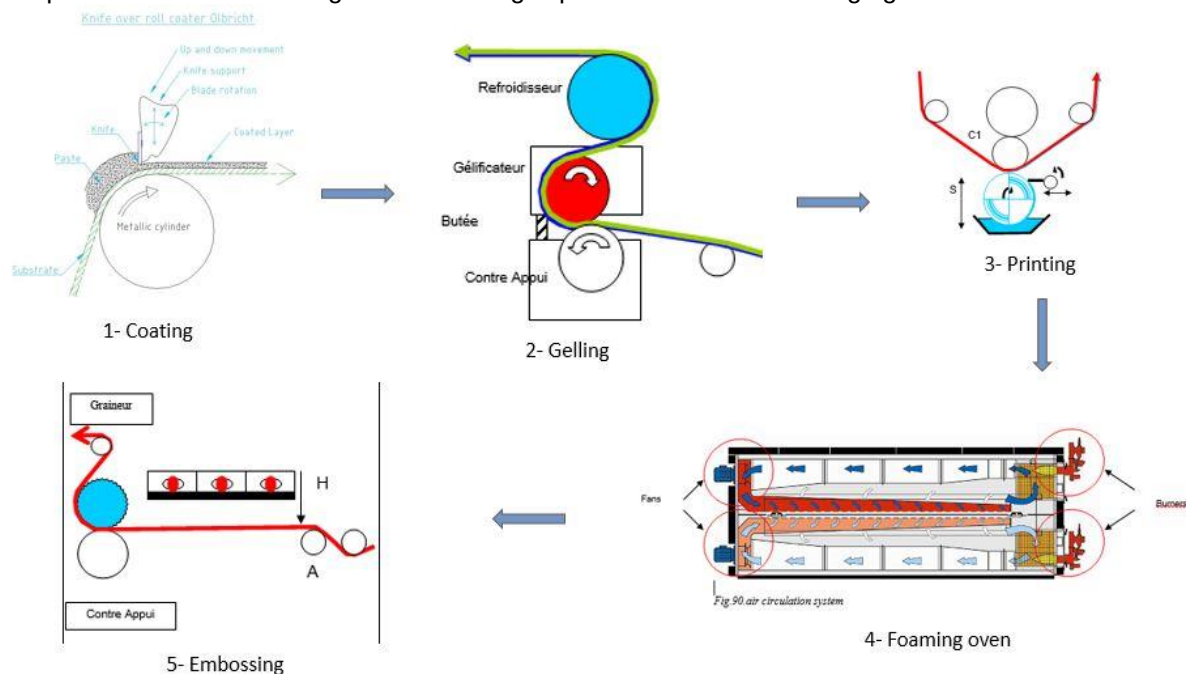
Chemical composition for all representative products are presented in the following table:

| Representative products                                                                          | Chemical substances [kg/m <sup>2</sup> ] |             |                  |        |                 |         |         |           |
|--------------------------------------------------------------------------------------------------|------------------------------------------|-------------|------------------|--------|-----------------|---------|---------|-----------|
|                                                                                                  | 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/m <sup>2</sup>                        | 36 %                                     | 21 %        | < 0.5 %          | 35 %   | 2.3 %           | 3.1 %   | 1.8 %   | < 1 %     |
| Product with foam with surface density between 1.20 kg/m <sup>2</sup> and 1.65 kg/m <sup>2</sup> | 36 %                                     | 21 %        | < 0.5 %          | 37 %   | 1.6 %           | 2.3 %   | < 1 %   | < 1 %     |
| Product with foam with surface density between 1.65 kg/m <sup>2</sup> and 1.80 kg/m <sup>2</sup> | 38 %                                     | 22 %        | < 0.5 %          | 33 %   | 1.9 %           | 2.2 %   | 1.7 %   | 1.2 %     |
| Product with foam with surface density between 1.80 kg/m <sup>2</sup> and 1.90 kg/m <sup>2</sup> | 35 %                                     | 22 %        | < 0.5 %          | 36 %   | 2 %             | 1.9 %   | 2.1 %   | 1.3 %     |
| Product with foam with surface density between 1.90 kg/m <sup>2</sup> and 2.10 kg/m <sup>2</sup> | 37 %                                     | 21 %        | < 0.5 %          | 37 %   | 1.2 %           | 1.8 %   | < 1 %   | 1 %       |
| Product with foam with surface density superior to 2.10 kg/m <sup>2</sup>                        | 36 %                                     | 22 %        | < 0.5 %          | 35 %   | 1.7 %           | 1.6 %   | 1.8 %   | 1 %       |
| Product with textile backing with surface density inferior to 1.90 kg/m <sup>2</sup>             | 39 %                                     | 21 %        | < 1 %            | 31 %   | 1.4 %           | 6.2 %   | < 1 %   | 1 %       |
| Product with textile backing with surface density superior to 1.90 kg/m <sup>2</sup>             | 41 %                                     | 21 %        | < 1 %            | 29 %   | 1.1 %           | 5 %     | < 1 %   | 1 %       |
| Product with foam and calendered layer (surface density superior to 2.40 kg/m <sup>2</sup> )     | 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<br>– A, E, G, J | Konz plant<br>– C, F, H, I | Product with foam with<br>surface density inferior<br>to 1.20 kg/m <sup>2</sup> – B | Product with foam<br>with surface density<br>between 1.65 kg/m <sup>2</sup><br>and 1.80 kg/m <sup>2</sup> – D |
|-------------------------------------------------|-------------------|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Non hazardous waste to landfilling              | kg/m <sup>2</sup> | 2.40E-04                       | 0.00E+00                   | 5.83E-05                                                                            | 1.56E-04                                                                                                      |
| Hazardous waste to incineration                 | kg/m <sup>2</sup> | 2.86E-03                       | 1.07E-03                   | 1.50E-03                                                                            | 2.23E-03                                                                                                      |
| Non hazardous waste to incineration             | kg/m <sup>2</sup> | 3.54E-03                       | 4.68E-03                   | 4.40E-03                                                                            | 3.94E-03                                                                                                      |
| Post-manufacturing internal recycling           | kg/m <sup>2</sup> | 5.11E-01                       | 0.00E+00                   | 1.24E-01                                                                            | 3.31E-01                                                                                                      |
| Hazardous waste to external recycling           | kg/m <sup>2</sup> | 2.75E-03                       | 4.45E-05                   | 7.02E-04                                                                            | 1.80E-03                                                                                                      |
| Non hazardous waste to external recycling       | kg/m <sup>2</sup> | 9.38E-02                       | 3.12E-02                   | 4.64E-02                                                                            | 7.18E-02                                                                                                      |
| Hazardous waste-water to external treatment     | kg/m <sup>2</sup> | 2.15E-02                       | 0.00E+00                   | 5.22E-03                                                                            | 1.39E-02                                                                                                      |
| Non hazardous waste-water to external treatment | kg/m <sup>2</sup> | 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<br>– A, E, G, J | Konz plant<br>– C, F, H, I | Product with foam with<br>surface density inferior<br>to 1.20 kg/m <sup>2</sup> – B | Product with foam with<br>surface density between 1.65<br>kg/m <sup>2</sup> and 1.80 kg/m <sup>2</sup> – D |
|---------------------|-------------------|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| PELD Packaging      | kg/m <sup>2</sup> | 9.50E-03                       | 0.00E+00                   | 2.31E-03                                                                            | 6.16E-03                                                                                                   |
| PEHD Packaging      | kg/m <sup>2</sup> | 1.83E-03                       | 1.45E-01                   | 1.10E-01                                                                            | 5.22E-02                                                                                                   |
| Cardboard Packaging | kg/m <sup>2</sup> | 7.82E-02                       | 0.00E+00                   | 1.90E-02                                                                            | 5.07E-02                                                                                                   |
| Paper Packaging     | kg/m <sup>2</sup> | 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<br>– A, E, G, J | Konz plant<br>– C, F, H, I | Product with foam with surface<br>density inferior to 1.20 kg/m <sup>2</sup> – B | Product with foam with surface<br>density between 1.65 kg/m <sup>2</sup> and<br>1.80 kg/m <sup>2</sup> – D |
|-------------------------|------|--------------------------------|----------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Distance of<br>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 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 <sup>2</sup> | 0.00E+00            | 2.50E-01                                     |
| Acrylic tape consumption | kg/m <sup>2</sup> | 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 <sup>2</sup> |
| Water consumption       | 7.00E+00 | L/year/m <sup>2</sup>   |
| Detergent consumption   | 9.00E-02 | L/year/m <sup>2</sup>   |

### 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 environmental 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/m<sup>2</sup>, Product with foam with surface density between 1.80 kg/m<sup>2</sup> and 1.90 kg/m<sup>2</sup> and Product with foam with surface density superior to 2.10 kg/m<sup>2</sup>), 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.

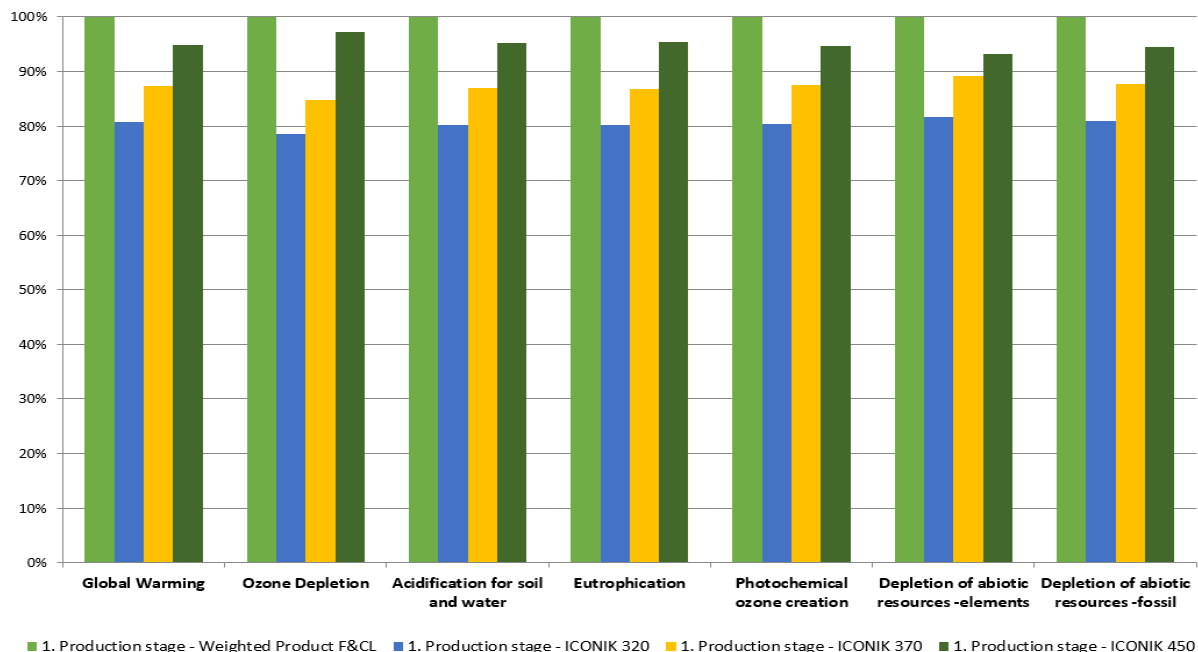


Figure 1: Comparison between products and their average one (Products with Foam and Calendered Layer)

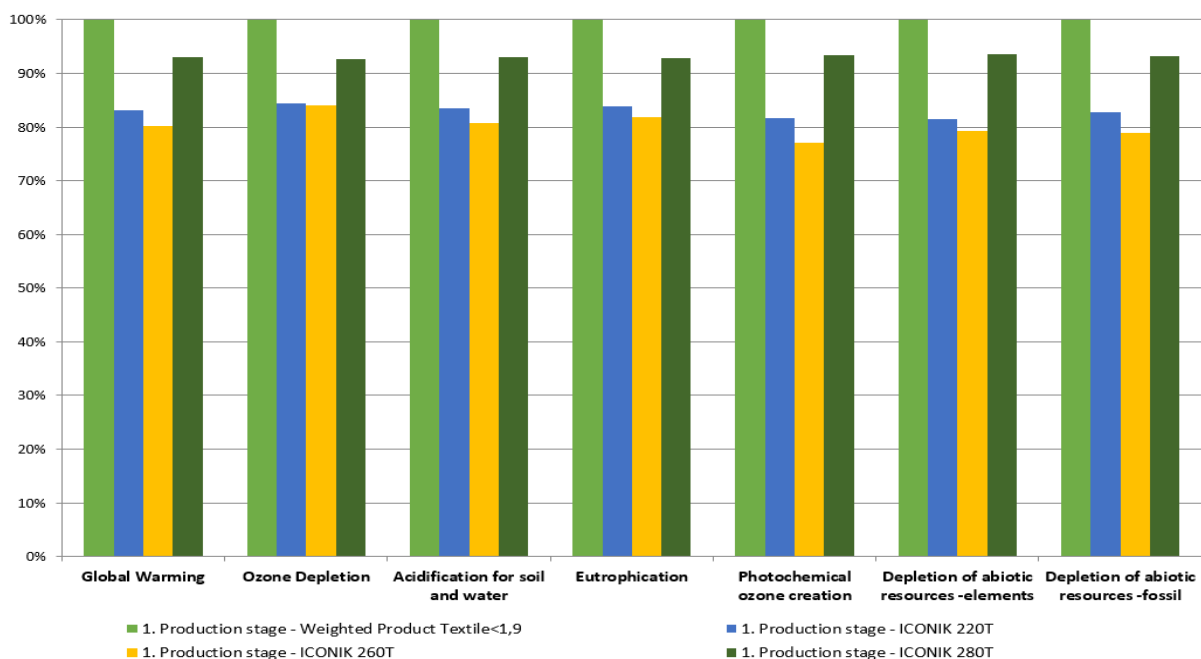


Figure 2: Comparison between products and their average one (Products with Textile Backing with a surface density inferior to 1.90 kg/m<sup>2</sup>)

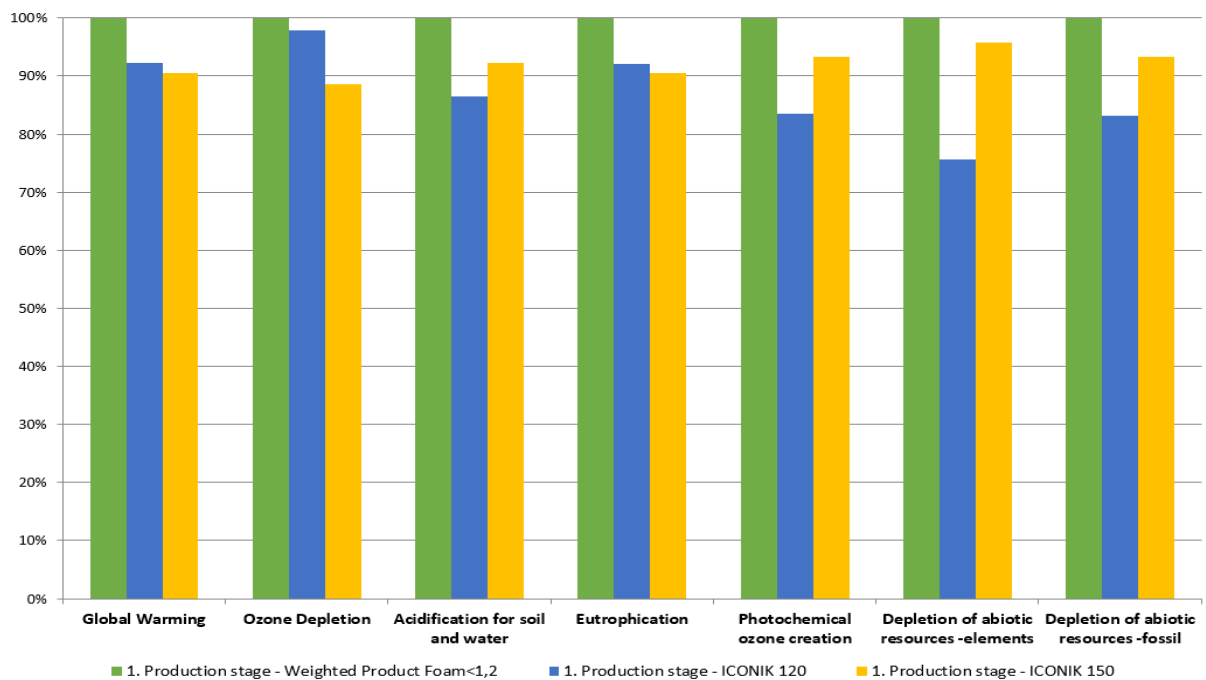


Figure 3: Comparison between products and their average one (Products with Foam with a surface density inferior to 1.20 kg/m<sup>2</sup>)

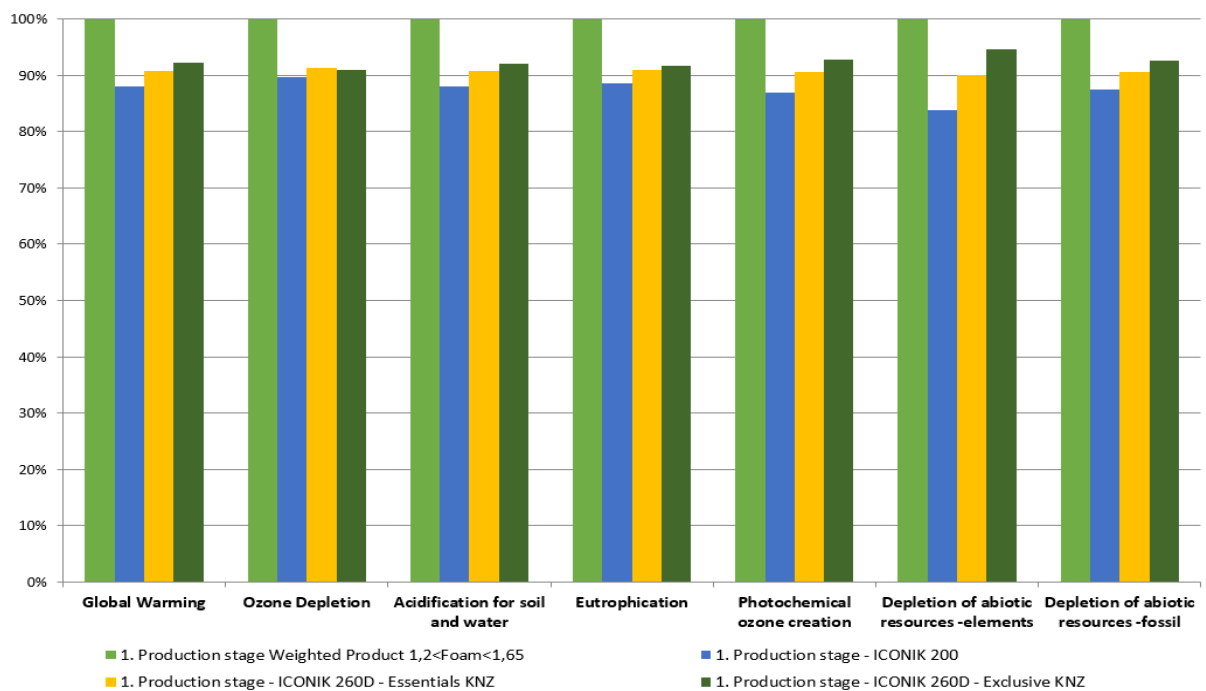


Figure 4: Comparison between products and their average one (Products with Foam with a surface density between 1.20 kg/m<sup>2</sup> and 1.65 kg/m<sup>2</sup>)

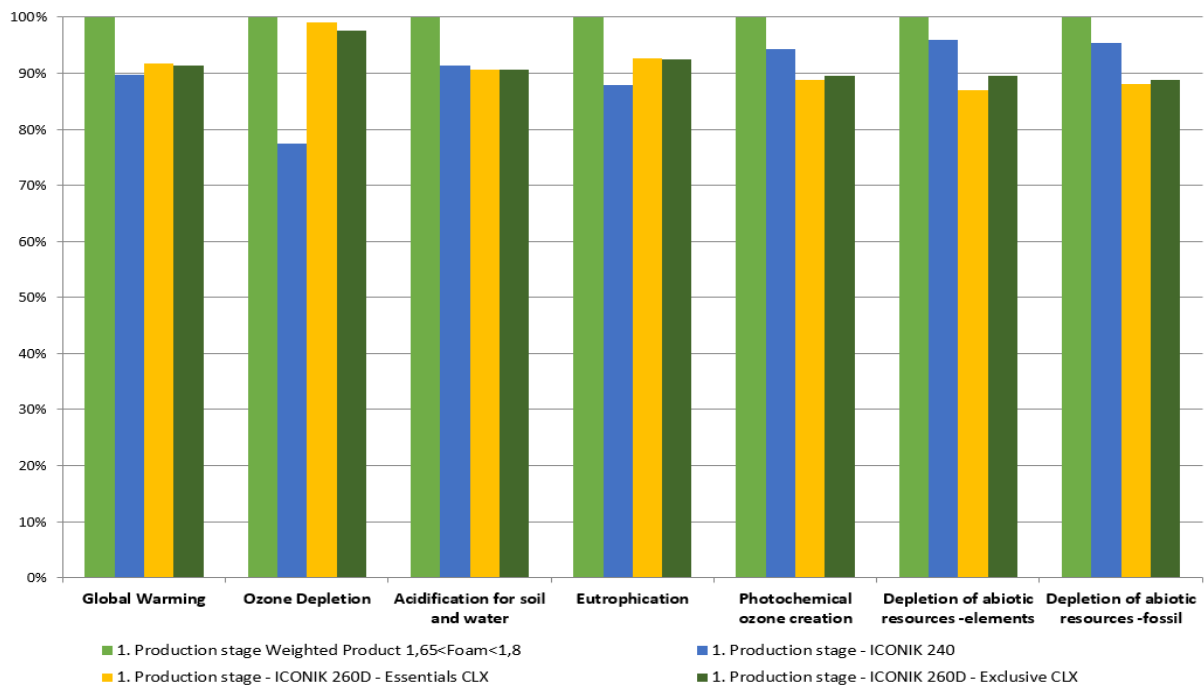


Figure 5: Comparison between products and their average one (Products with Foam with a surface density between 1.65 kg/m<sup>2</sup> and 1.80 kg/m<sup>2</sup>)

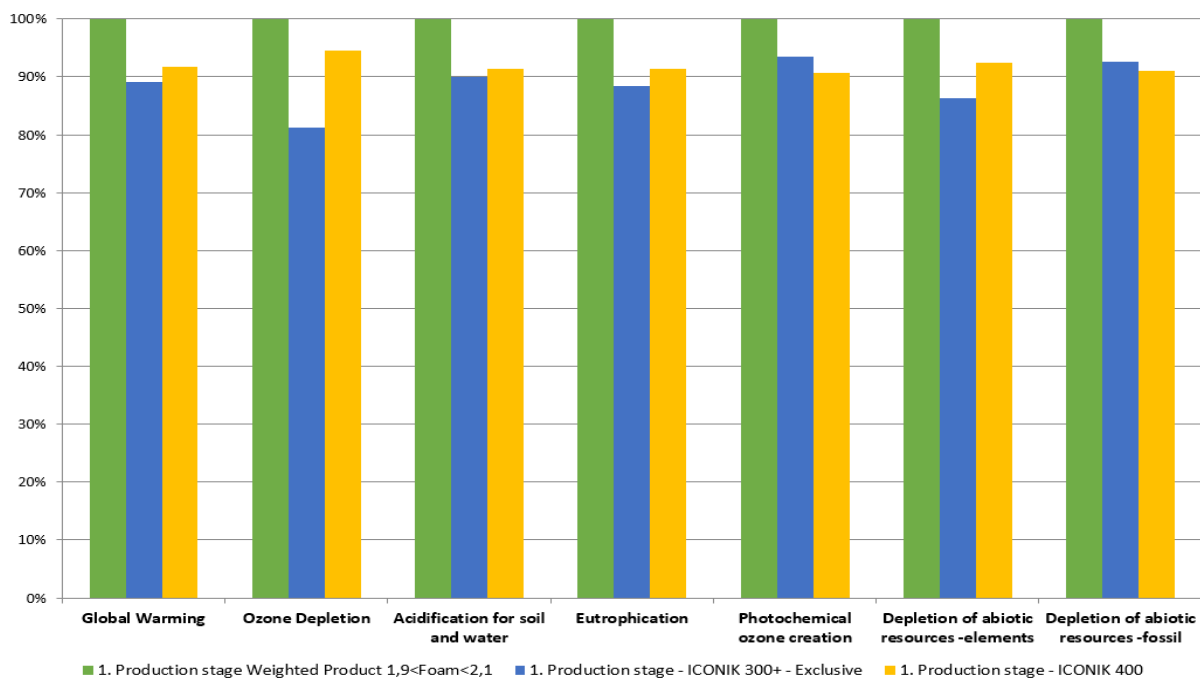


Figure 6: Comparison between products and their average one (Products with Foam with a surface density between 1.90 kg/m<sup>2</sup> and 2.10 kg/m<sup>2</sup>)



## 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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                          | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -- 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/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> and 1.65 kg/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> and 1.80 kg/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> and 1.90 kg/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> and 2.10 kg/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup> (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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/m<sup>2</sup>) (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 | Deconstruction    | Transport | Waste processing | Disposal |
|                                           |                        | A1-A3            | A4                 | A5           | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                | C2        | C3               | C4       |
| Global Warming                            | kg CO <sub>2</sub> 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 SO <sub>2</sub> 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 PO <sub>4</sub> -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-constructi on  | 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/m<sup>2</sup> (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 | Deconstruction    | 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/m<sup>2</sup> and 1.65 kg/m<sup>2</sup> (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/m<sup>2</sup> and 1.80 kg/m<sup>2</sup> (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/m<sup>2</sup> and 1.90 kg/m<sup>2</sup> (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/m<sup>2</sup> and 2.10 kg/m<sup>2</sup> (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/m<sup>2</sup> (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/m<sup>2</sup> (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/m<sup>2</sup> (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/m<sup>2</sup>) (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 | Deconstruction    | 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/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup> and 1.65 kg/m<sup>2</sup> (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 | Deconstruction    | 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/m<sup>2</sup> and 1.80 kg/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup> and 1.90 kg/m<sup>2</sup> (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 | Deconstruction    | 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/m<sup>2</sup> and 2.10 kg/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup> (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-constructi on  | Transport | Waste processi ng | 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/m<sup>2</sup>) (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-constructi on  | Transport | Waste processi ng | 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.

|                                      |                                                                                                                                                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Programme:</b>                    | <p>The International EPD® System</p> <p>EPD International AB<br/>Box 210 60<br/>SE-100 31 Stockholm<br/>Sweden</p> <p><a href="http://www.environdec.com">www.environdec.com</a><br/><a href="mailto:info@environdec.com">info@environdec.com</a></p> |
| <b>EPD registration number:</b>      | S-P-01997                                                                                                                                                                                                                                             |
| <b>ECO EPD Ref. number:</b>          | 00001168                                                                                                                                                                                                                                              |
| <b>Published:</b>                    | 2020-08-21                                                                                                                                                                                                                                            |
| <b>Valid until:</b>                  | 2025-07-27                                                                                                                                                                                                                                            |
| <b>Product Category Rules:</b>       | PCR 2012:01 version 2.3 and Sub-PCR-F Resilient, textile and laminate floor coverings (EN 16810)                                                                                                                                                      |
| <b>Product group classification:</b> | UN CPC APE/NAF - 2223Z                                                                                                                                                                                                                                |
| <b>Reference year for data:</b>      | 2019                                                                                                                                                                                                                                                  |
| <b>Geographical scope:</b>           | 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:          |
| <input type="checkbox"/> EPD process certification <input checked="" type="checkbox"/> EPD verification |
| Third party verifier: Damien PRUNEL. BUREAU VERITAS LCIE                                                |
| Procedure for follow-up of data during EPD validity involves third party verifier:                      |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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:

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



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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 1<sup>st</sup> 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

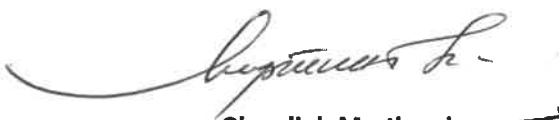
As far as recycling of floorings is concerned, Tarkett has always been a major player in this field and has been striving to minimize the depletion of natural resources. In accordance with the European Parliament's Directive 2006/12/EC encouraging the reuse of materials, Tarkett intends to actively continue 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