

# Environmental Product Declaration



In accordance with ISO 14025:2006 and EN15804:2012+A2:2019/AC:2021 for:

## Omnisports Heterogeneous vinyl flooring - Compact from TARKETT

*EPD OF SINGULAR PRODUCT.*



|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| Programme:               | The International EPD® System, <a href="http://www.environdec.com">www.environdec.com</a> |
| Programme operator:      | EPD International AB                                                                      |
| EPD registration number: | EPD-EIS-0005312                                                                           |
| Version date:            | 2025-01-20                                                                                |
| Validity date:           | 2030-01-20                                                                                |

*An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see [www.environdec.com](http://www.environdec.com).*



## General information

### Programme information

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| <b>Programme:</b> | The International EPD® System                                       |
| <b>Address:</b>   | EPD International AB<br>Box 210 60<br>SE-100 31 Stockholm<br>Sweden |
| <b>Website:</b>   | <a href="http://www.environdec.com">www.environdec.com</a>          |
| <b>E-mail:</b>    | <a href="mailto:info@environdec.com">info@environdec.com</a>        |

|                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accountabilities for PCR, LCA and independent, third-party verification</b>                                                                                                                                                                                                                                                                                                 |
| <b>Product Category Rules (PCR)</b>                                                                                                                                                                                                                                                                                                                                            |
| CEN standard EN 15804 serves as the Core Product Category Rules (PCR)                                                                                                                                                                                                                                                                                                          |
| Product category rules (PCR): PCR 2019:14 version 1.3.3 and c-PCR-004 Resilient textile and laminate floor coverings (EN 16810)                                                                                                                                                                                                                                                |
| PCR review was conducted by: The Technical Committee of the International EPD System. See <a href="http://www.environdec.com">www.environdec.com</a> for a list of members. Review chair: Claudia A. Peña, University of Concepción, Chile. The review panel may be contacted via the Secretariat <a href="http://www.environdec.com/contact">www.environdec.com/contact</a> . |
| <b>Life Cycle Assessment (LCA)</b>                                                                                                                                                                                                                                                                                                                                             |
| LCA Accountability: Perla Boumendil, Tarkett                                                                                                                                                                                                                                                                                                                                   |
| <b>Third-party verification</b>                                                                                                                                                                                                                                                                                                                                                |
| Independent third-party verification of the declaration and data, according to ISO 14025:2006:                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> EPD process certification <input checked="" type="checkbox"/> EPD verification                                                                                                                                                                                                                                                                        |
| Third party verifier: Anni Oviir , Rangi Maja OÜ.                                                                                                                                                                                                                                                                                                                              |
| Approved by: The International EPD® System                                                                                                                                                                                                                                                                                                                                     |
| Procedure for follow-up of data during EPD validity involves third party verifier:                                                                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                            |

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

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

This EPD is a specific EPD, Cradle-to-grave with module D.

## Company information

Owner of the EPD: Tarkett

Contact: Myriam Tryjefaczka , [myriam.tryjefaczka@tarkett.com](mailto:myriam.tryjefaczka@tarkett.com) Tarkett La Défense, 1 Terrasse Bellini 92400 Paris

Description of the organisation:

With an international coverage and a wide range of products, Tarkett has over 130 years of experience in providing integrated solutions for floorings to professionals and end users.

Many of the most important architectural firms in the world and building professionals have chosen Tarkett for the value of its products and for its consultation and service abilities. Therefore, Tarkett floorings and sport surfaces are present in several prestigious architectural reference points. Tarkett offers integrated solutions for floorings, able to meet the particular needs of customers. Our wide range of designs, 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-related or management system-related certifications: ISO 9001, ISO 14001, ISO 50001, WCM manufacturing site.

Name and location of production site(s): Sedan, France

## Product information

Product name: Omnisports Compact

Product identification: Omnisports Compact, Heterogeneous poly(vinyl chloride) floor coverings (EN 14904)

Product description: Omnisports product provides ideal innovative floorings for young athletes and children. For them, performance and pleasure should be their only concern. Omnisports floorings meet the highest environmental and health standards allowing. The service lifetime recommended by Tarkett is 20 years.

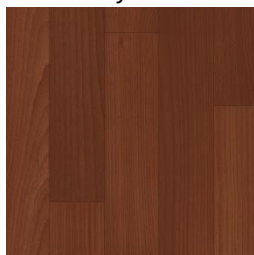


Figure 1 - Omnisports Compact flooring illustration

Geographical scope: Modules A1-A5 as well as the use (module B) and end-of-life (module C) have been modelled to represent European technology and process coverage.

UN CPC code: APE/NAF - 2223Z

## 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 EN 14565 and EN ISO 10874.

Reference service life: 1 year.

Time representativeness: 2023.

Database(s) and LCA software used: Ecoinvent 3.9.1, SimaPro 9.6

Description of system boundaries: Cradle-to-grave with module D.

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

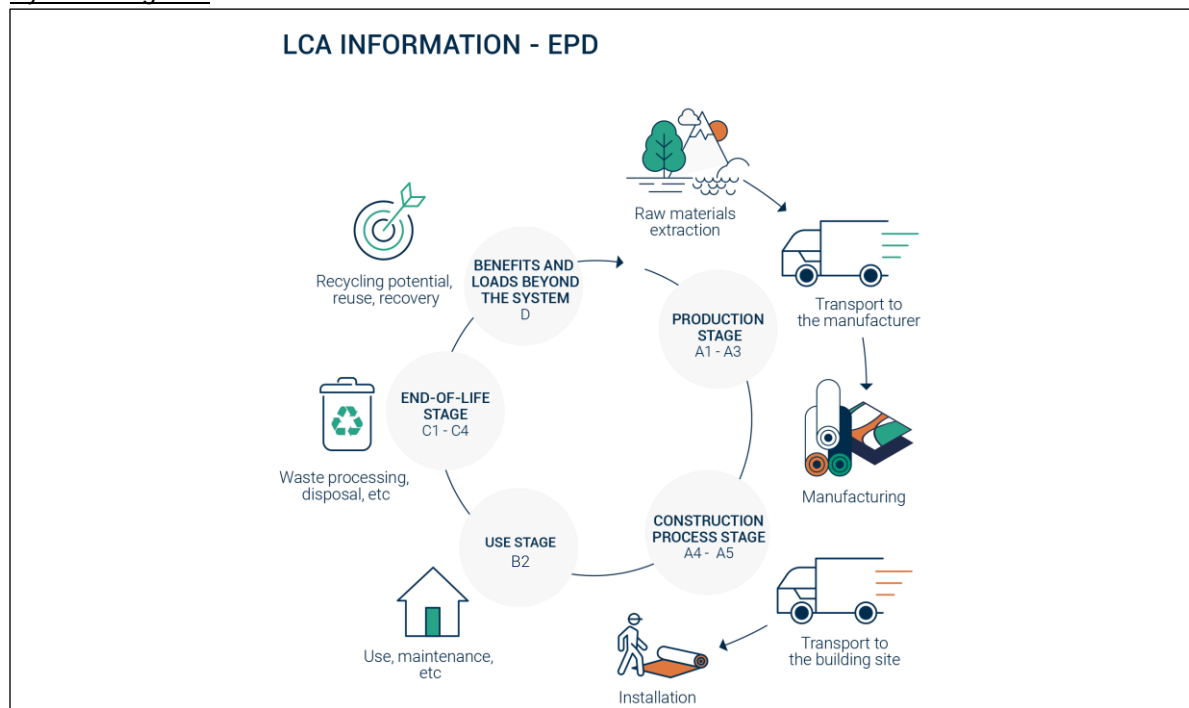
- All inputs and outputs to a (unit) process are included in the calculation where the data is available.
- A maximum of 1% of the total mass per unit process may be omitted.
- A maximum of 1% of the total renewable and non-renewable energy for a unit process may be omitted.
- A maximum of 5% of the total energy usage and mass per module may be omitted.

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

Mass balance approaches (MBAs), to claim, for example, biobased, renewable, and/or recycled product content, are not applied.

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

### System diagram:



More information: The product is classified in accordance with EN ISO 10874, EN 685 and in reference to the FCSS (Floor Covering Standard Symbols) to be installed in various areas of application, such as:

healthcare, education, commercial, education. The area of use according to the ISO 10874 is very heavy (34) for commercial classification and heavy (43) for industrial classification.

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

|                      | Product stage       |           |               | Construction process stage |                           | Use stage |             |        |             |               |                        |                       | End of life stage          |           |                  |          | Resource recovery stage            |
|----------------------|---------------------|-----------|---------------|----------------------------|---------------------------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-----------|------------------|----------|------------------------------------|
|                      | Raw material supply | Transport | Manufacturing | Transport                  | Construction installation | Use       | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |
| Module               | A1                  | A2        | A3            | A4                         | A5                        | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                         | C2        | C3               | C4       | D                                  |
| Modules declared     | X                   | X         | X             | X                          | X                         | X         | X           | X      | X           | X             | X                      | X                     | X                          | X         | X                | X        | X                                  |
| Geography            | EU                  | EU        | EU            | EU                         | EU                        | EU        | EU          | EU     | EU          | EU            | EU                     | EU                    | EU                         | EU        | EU               | EU       | EU                                 |
| Specific data used   | 40% - 100%          |           |               | -                          | -                         | -         | -           | -      | -           | -             | -                      | -                     | -                          | -         | -                | -        | -                                  |
| Variation – products | 0%                  |           |               | -                          | -                         | -         | -           | -      | -           | -             | -                      | -                     | -                          | -         | -                | -        | -                                  |
| Variation – sites    | 0%                  |           |               | -                          | -                         | -         | -           | -      | -           | -             | -                      | -                     | -                          | -         | -                | -        | -                                  |

## Content information

| Product            | Thickness (mm) | Weight (kg/m <sup>2</sup> ) | Recycled content |
|--------------------|----------------|-----------------------------|------------------|
| Omnisports Compact | 2.0            | 3.045E+00                   | 32.7%            |

The components for Omnisports Compact are detailed here:

| Omnisports Compact                |                           |                                  |                                         |
|-----------------------------------|---------------------------|----------------------------------|-----------------------------------------|
| Product components                | Weight, kg/m <sup>2</sup> | Post-consumer material, weight-% | Biogenic material, weight-% and kg C/kg |
| PVC                               | 7.91E-01                  | 0%                               | 0%                                      |
| Plasticizer                       | 3.16E-01                  | 0%                               | 0%                                      |
| Epoxidized soya bean oil          | 1.63E-02                  | 0%                               | 83% ; 0.051                             |
| Mineral Fillers                   | 1.27E-01                  | 0%                               | 0%                                      |
| Stabilizers                       | 1.63E-02                  | 0%                               | 0%                                      |
| Glass veil                        | 2.45E-02                  | 0%                               | 0%                                      |
| Additives                         | 1.78E-02                  | 0%                               | 0%                                      |
| Pigments                          | 2.76E-02                  | 0%                               | 0%                                      |
| Surface Treatment                 | 4.55E-02                  | 0%                               | 0%                                      |
| Calendered Underlay               | 1.49E-02                  | <1%                              | 0%                                      |
| TOTAL                             | 4.76E+00                  | <0.3%                            | 0%                                      |
| Packaging materials               | Weight, kg/m <sup>2</sup> | Weight-% (versus the product)    | Weight biogenic carbon, kg C/kg         |
| Product Packaging Cardboard       | 4.02E-02                  | 1.2%                             | 0.012                                   |
| Product Packaging HDPE (Foil)     | 1.52E-02                  | 0.45%                            | -                                       |
| Product Packaging LDPE (End caps) | 5.20E-03                  | 0.15%                            | -                                       |
| TOTAL                             | 6.06E-02                  | 1.8%                             | 0.012                                   |

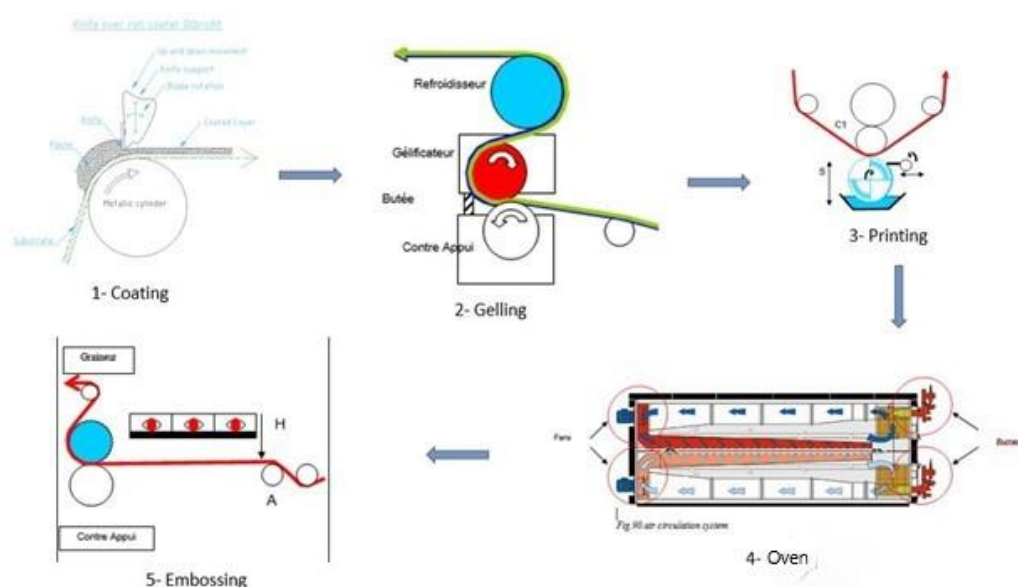
The Calendered underlay is primarily made out of post-industrial recycled material and also contains post-consumer material as part of the Restart program.



## Product manufacturing

### Production process

The following figures show the production process of heterogeneous flooring :



### Production waste

| Waste type                                | Amount   | Unit              |
|-------------------------------------------|----------|-------------------|
| Non-hazardous waste to external recycling | 3.57E-01 | kg/m <sup>2</sup> |
| Hazardous waste to external treatment     | 3.34E-03 | kg/m <sup>2</sup> |

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

### Electricity GWP-GHG

| Plant | Ecoinvent Module                                                                         | KgCO <sub>2</sub> eq/kWh |
|-------|------------------------------------------------------------------------------------------|--------------------------|
| Sedan | Electricity, medium voltage {FR}  electricity, medium voltage, residual mix   Cut-off, U | 8,20E-02                 |

## Health, safety, and environmental aspects during production

Omnisports Compact production site complies with the ISO 14001 Environmental Management System and the ISO 9001 Quality Management System.

## Delivery and installation



## Delivery

The average distribution distance between the factory and the installation site is 697 km. It has been calculated considering the average distance between European countries where Tarkett is selling Omnisports Compact and the factory plant in Sedan (France). The distribution is made by truck.

## 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 glued on the subfloor then they are welded together.

| Description             | Amount   | Unit               |
|-------------------------|----------|--------------------|
| Electricity consumption | 4.00E-02 | kWh/m <sup>2</sup> |
| Acrylic adhesive        | 3.0E-01  | kg/m <sup>2</sup>  |

## Waste

During the installation approximately 10% of the flooring is lost as off-cuts. All flooring losses are sent to recycling. Thanks to the ReStart program. Tarkett offers to all its customer flooring installers a free take-back system for installation off-cuts including equipment, logistics and recycling. This analysis therefore considers a recycling scenario of the offcut.

## 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 Homogenous polyvinylchloride floor covering may vary depending on the amount and nature of floor traffic and the type and frequency of maintenance. The manufacturer has provided this service life on the basis of his experience of flooring manufacture and supply. This RSL is applicable as long as the product use complies with that defined by ISO 14041 and ISO10874 in accordance with the product's classification. **The service lifetime recommended by Tarkett is 20 years.**

### Cleaning and maintenance

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

- **Daily maintenance : once a day**
- **Common maintenance : once a week**

| Description             | Amount   | Unit                    |
|-------------------------|----------|-------------------------|
| Electricity consumption | 1.33E-01 | kWh/year/m <sup>2</sup> |
| Water consumption       | 1.00E+01 | L/year/m <sup>2</sup>   |
| Detergent consumption   | 1.00E-01 | 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

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

### **Landfilling /L**

Landfilling waste is still a prominent waste management scenario. This option is however not recommended by Tarkett. Environmental impacts of landfilling are presented as additional information in module C/L.

### **Incineration with energy recovery /I**

Incineration with energy recovery is a rising waste management method in many of the countries in which Omnisports Compact is sold. While Tarkett wishes to recycle 100% of sold Omnisports Compact, incineration with energy recovery is an alternative option if recycling is impossible. Environmental impacts of incineration with energy recovery are presented as additional information in module C/I.

## Benefits and loads beyond system boundary.

### **Landfilling /L**

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

### **Incineration with energy recovery /I**

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

# Results

*The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.*

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

## Environmental Information

### Potential environmental impact

#### Results per functional or declared unit in case of Landfilling – Omnisports Compact

| Indicator            | Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A1-A3    | A4       | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1/L     | C2/L     | C3/L     | C4/L     | D/L       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP-total            | kg CO <sub>2</sub> eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5,08E+00 | 4,02E-01 | 1,09E+00 | 0,00E+00 | 1,65E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,89E-02 | 0,00E+00 | 2,55E-01 | -2,90E-01 |
| GWP-fossil           | kg CO <sub>2</sub> eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5,00E+00 | 4,01E-01 | 1,01E+00 | 0,00E+00 | 1,56E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,89E-02 | 0,00E+00 | 2,21E-01 | -2,92E-01 |
| GWP- biogenic        | kg CO <sub>2</sub> eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6,49E-02 | 1,28E-04 | 7,61E-02 | 0,00E+00 | 1,25E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,01E-06 | 0,00E+00 | 3,38E-02 | 3,04E-03  |
| GWP- Luluc           | kg CO <sub>2</sub> eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1,82E-02 | 1,97E-04 | 2,29E-03 | 0,00E+00 | 8,22E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 9,25E-06 | 0,00E+00 | 7,11E-06 | -1,59E-03 |
| ODP                  | kg CFC 11 eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1,46E-06 | 8,75E-09 | 1,55E-07 | 0,00E+00 | 5,01E-09 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,11E-10 | 0,00E+00 | 9,07E-10 | -1,26E-07 |
| AP                   | mol H <sup>+</sup> eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2,81E-02 | 1,29E-03 | 5,08E-03 | 0,00E+00 | 9,76E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,16E-05 | 0,00E+00 | 2,06E-04 | -1,97E-03 |
| EP-freshwater        | kg P eq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1,22E-03 | 2,82E-05 | 2,66E-04 | 0,00E+00 | 8,68E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,32E-06 | 0,00E+00 | 2,12E-06 | -9,92E-05 |
| EP-freshwater        | kg PO <sub>4</sub> eq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3,74E-03 | 8,66E-05 | 8,17E-04 | 0,00E+00 | 2,66E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,06E-06 | 0,00E+00 | 6,50E-06 | -3,04E-04 |
| EP-marine            | kg N eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,05E-02 | 4,42E-04 | 1,57E-03 | 0,00E+00 | 4,65E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,12E-05 | 0,00E+00 | 1,21E-03 | -5,10E-04 |
| EP-terrestrial       | mol N eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5,93E-02 | 4,66E-03 | 1,08E-02 | 0,00E+00 | 2,19E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,24E-04 | 0,00E+00 | 9,14E-04 | -2,26E-03 |
| POCP                 | kg NMVOC eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2,77E-02 | 1,93E-03 | 4,91E-03 | 0,00E+00 | 5,87E-04 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 9,20E-05 | 0,00E+00 | 3,97E-04 | -1,29E-03 |
| ADP-minerals&metals* | kg Sb eq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6,08E-05 | 1,33E-06 | 1,02E-05 | 0,00E+00 | 1,24E-06 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,22E-08 | 0,00E+00 | 6,35E-08 | -5,19E-06 |
| ADP-fossil*          | MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1,28E+02 | 5,70E+00 | 2,33E+01 | 0,00E+00 | 3,27E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,68E-01 | 0,00E+00 | 7,16E-01 | -7,43E+00 |
| WDP                  | m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5,34E+00 | 2,36E-02 | 9,13E-01 | 0,00E+00 | 2,38E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,11E-03 | 0,00E+00 | 3,23E-03 | -4,49E-01 |
| Acronyms             | GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |

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

## Environmental Information

### Potential Environmental impact

#### Results per functional or declared unit in case of Landfilling – Omnisports Compact

| Indicator | Unit           | A1-A3    | A4       | A5       | B1       | B2       | B3        | B4       | B5       | B6       | B7       | C1/L     | C2/L     | C3/L     | C4/L     | D/L       |
|-----------|----------------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| PERE      | MJ             | 1,50E+01 | 1,58E+01 | 8,86E-02 | 2,12E+00 | 0,00E+00 | 7,16E-01  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,16E-03 | 0,00E+00 | 3,05E-02  |
| PERM      | MJ             | 4,53E-01 | 4,53E-01 | 0,00E+00 | 4,53E-02 | 0,00E+00 | 1,50E-01  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | -1,15E-01 |
| PERT      | MJ             | 1,54E+01 | 1,63E+01 | 8,86E-02 | 2,17E+00 | 0,00E+00 | 8,66E-01  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,16E-03 | 0,00E+00 | -8,45E-02 |
| PENRE     | MJ             | 1,28E+02 | 1,25E+02 | 5,70E+00 | 2,34E+01 | 0,00E+00 | 2,43E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,68E-01 | 0,00E+00 | 7,16E-01  |
| PENRM     | MJ             | 1,46E-01 | 1,46E-01 | 0,00E+00 | 1,46E-02 | 0,00E+00 | 8,42E-01  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| PENRT     | MJ             | 1,29E+02 | 1,26E+02 | 5,70E+00 | 2,34E+01 | 0,00E+00 | 3,28E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,68E-01 | 0,00E+00 | 7,16E-01  |
| SM        | kg             | 1,03E+00 | 1,03E+00 | 0,00E+00 | 1,03E-01 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| RSF       | MJ             | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| NRSF      | MJ             | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| FW        | m <sup>3</sup> | 1,03E-01 | 1,04E-01 | 8,13E-04 | 1,51E-02 | 0,00E+00 | -2,97E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 3,81E-05 | 0,00E+00 | 8,73E-04  |

#### Acronyms

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

## Waste production and output flows

### Waste production

#### Results per functional or declared unit in case of Landfilling – Omnisports Compact

| Indicator                    | Unit | A1-A3    | A4       | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1/L     | C2/L     | C3/L     | C4/L     | D/L       |
|------------------------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Hazardous waste disposed     | kg   | 2,53E-01 | 5,44E-03 | 4,06E-02 | 0,00E+00 | 6,41E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,55E-04 | 0,00E+00 | 8,24E-04 | -1,70E-02 |
| Non-hazardous waste disposed | kg   | 2,21E+00 | 3,25E-01 | 5,44E-01 | 0,00E+00 | 7,25E-02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,52E-02 | 0,00E+00 | 3,09E+00 | -1,65E-01 |
| Radioactive waste disposed   | kg   | 4,38E-04 | 1,86E-06 | 5,32E-05 | 0,00E+00 | 1,03E-05 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 8,70E-08 | 0,00E+00 | 4,00E-07 | -1,11E-05 |

### Output flows

#### Results per functional or declared unit in case of Landfilling – Omnisports Compact

| Indicator                     | Unit | A1-A3    | A4       | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1/L     | C2/L     | C3/L     | C4/L     | D/L      |
|-------------------------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Components for re-use         | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Material for recycling        | kg   | 9,69E-01 | 0,00E+00 | 4,01E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Materials for energy recovery | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Exported energy               | MJ   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |

### Additional indicator

#### Results per functional or declared unit in case of Landfilling – Omnisports Compact

| Indicator  | Unit                   | A1-A3    | A4       | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1/L     | C2/L     | C3/L     | C4/L     | D/L       |
|------------|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| GWP-fossil | kg CO <sub>2</sub> eq. | 5,02E+00 | 4,02E-01 | 1,01E+00 | 0,00E+00 | 1,64E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,89E-02 | 0,00E+00 | 2,21E-01 | -2,93E-01 |

<sup>1</sup> GWP-GHG is the sum of GWP-Fossil and GWP-LULUC indicator



## Additional information – Potential impacts and flows in case of incineration.

### Results per functional or declared unit in case of incineration – Omnisports Compact

| Indicator            | Unit                                 | C1/I     | C2/I     | C3/I     | C4/I     | D/I       |
|----------------------|--------------------------------------|----------|----------|----------|----------|-----------|
| GWP-total            | kg CO <sub>2</sub> eq.               | 0,00E+00 | 6,30E-02 | 0,00E+00 | 6,00E+00 | -4,59E+00 |
| GWP-Fossil           | kg CO <sub>2</sub> eq.               | 0,00E+00 | 6,30E-02 | 0,00E+00 | 5,96E+00 | -4,58E+00 |
| GWP- biogenic        | kg CO <sub>2</sub> eq.               | 0,00E+00 | 2,00E-05 | 0,00E+00 | 3,68E-02 | -4,35E-03 |
| GWP- Luluc           | kg CO <sub>2</sub> eq.               | 0,00E+00 | 3,08E-05 | 0,00E+00 | 2,70E-03 | -4,77E-03 |
| ODP                  | kg CFC 11 eq.                        | 0,00E+00 | 1,37E-09 | 0,00E+00 | 8,32E-07 | -3,13E-07 |
| AP                   | mol H <sup>+</sup> eq.               | 0,00E+00 | 2,05E-04 | 0,00E+00 | 1,01E-02 | -1,71E-02 |
| EP-freshwater        | kg P eq.                             | 0,00E+00 | 4,41E-06 | 0,00E+00 | 7,15E-04 | -1,57E-03 |
| EP-freshwater        | kg PO <sub>4</sub> <sup>3-</sup> eq. | 0,00E+00 | 3,08E-07 | 0,00E+00 | 5,01E-05 | -1,10E-04 |
| EP-marine            | kg N eq.                             | 0,00E+00 | 7,06E-05 | 0,00E+00 | 2,46E-03 | -3,04E-03 |
| EP-terrestrial       | mol N eq.                            | 0,00E+00 | 7,46E-04 | 0,00E+00 | 2,47E-02 | -2,74E-02 |
| POCP                 | kg NMVOC eq.                         | 0,00E+00 | 3,07E-04 | 0,00E+00 | 7,25E-03 | -1,13E-02 |
| ADP-minerals&metals* | kg Sb eq.                            | 0,00E+00 | 2,07E-07 | 0,00E+00 | 3,60E-05 | -9,67E-06 |
| ADP-Fossil*          | MJ                                   | 0,00E+00 | 8,93E-01 | 0,00E+00 | 2,12E+01 | -7,40E+01 |
| WDP                  | m <sup>3</sup>                       | 0,00E+00 | 3,69E-03 | 0,00E+00 | 3,73E+00 | -7,89E-01 |

### Results per functional or declared unit in case of incineration – Omnisports Compact

| Indicator | Unit           | C1/I     | C2/I     | C3/I     | C4/I      | D/I       |
|-----------|----------------|----------|----------|----------|-----------|-----------|
| PERE      | MJ             | 0,00E+00 | 5,02E-09 | 0,00E+00 | 8,89E-08  | -1,93E-06 |
| PERM      | MJ             | 0,00E+00 | 1,19E-03 | 0,00E+00 | 1,99E-01  | -7,48E-01 |
| PERT      | MJ             | 0,00E+00 | 4,41E-01 | 0,00E+00 | 4,15E+02  | -1,62E+01 |
| PENRE     | MJ             | 0,00E+00 | 2,86E-11 | 0,00E+00 | 2,13E-09  | -1,49E-09 |
| PENRM     | MJ.            | 0,00E+00 | 6,29E-10 | 0,00E+00 | 4,42E-08  | -2,42E-08 |
| PENRT     | MJ             | 0,00E+00 | 5,32E-01 | 0,00E+00 | 6,75E+00  | -8,74E+00 |
| SM        | kg             | 0,00E+00 | 1,39E-02 | 0,00E+00 | 2,49E+00  | -6,15E+00 |
| RSF       | MJ             | 0,00E+00 | 0,00E+00 | 0,00E+00 | -1,15E-01 | -1,04E-02 |
| NRSF      | MJ             | 0,00E+00 | 1,39E-02 | 0,00E+00 | 2,38E+00  | -6,16E+00 |
| FW        | m <sup>3</sup> | 0,00E+00 | 8,93E-01 | 0,00E+00 | 2,12E+01  | -7,40E+01 |

### Results per functional or declared unit in case of incineration – Omnisports Compact

| Indicator                    | Unit | C1/I     | C2/I     | C3/I     | C4/I     | D/I       |
|------------------------------|------|----------|----------|----------|----------|-----------|
| Hazardous waste disposed     | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| Non-hazardous waste disposed | kg   | 0,00E+00 | 8,93E-01 | 0,00E+00 | 2,12E+01 | -7,40E+01 |
| Radioactive waste disposed   | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,82E-01  |

### Results per functional or declared unit in case of incineration – Omnisports Compact

| Indicator                     | Unit | C1/I     | C2/I     | C3/I     | C4/I     | D/I       |
|-------------------------------|------|----------|----------|----------|----------|-----------|
| Components for re-use         | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| Material for recycling        | kg   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00  |
| Materials for energy recovery | kg   | 0,00E+00 | 1,27E-04 | 0,00E+00 | 1,09E-01 | -3,18E-02 |
| Exported energy               | MJ   | 0,00E+00 | 8,50E-04 | 0,00E+00 | 7,47E-01 | -6,44E-02 |

## References

General Program Instructions of the International EPD® System. Version 4.0.

PCR 2019:14. Version 1.3.3 and c-PCR-004 Resilient textile and laminate floor coverings (EN 16810)

## Abbreviations

**ISO** : International Organization for Standardization

**EN** : European Norms

**GWP – GHG** : Global Warming Potential – Greenhouse Gas

**MND** : Module Not Declared

**EU** : European Union

**PCR** : Product Category Rules

**EPD** : Environmental product declaration

**FR** : France (ISO 3166 code)

