



## Trocellen Group LCA calculation result declaration

### Life Cycle Assessment Tool description

We are aware, that as part of the supply chain our responsibility is to share reliable data with our customers and partners to support industrywide decarbonization actions.

Trocellen Group has developed its own, customized LCA tool to measure our product portfolio related environmental emissions covering cradle-to-gate and end-of-life stages.

#### *Tool description:*

**Declared unit:** defined by the user of the Tool. It can be expressed in different units, such as kg, m<sup>2</sup>, m<sup>3</sup>, number of pieces, etc.

#### **References:**

*EN 15804:2012+A2:2019*

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

*ISO 14040:2006*

Environmental management – Life cycle assessment – Principles and framework

*ISO 14044:2006*

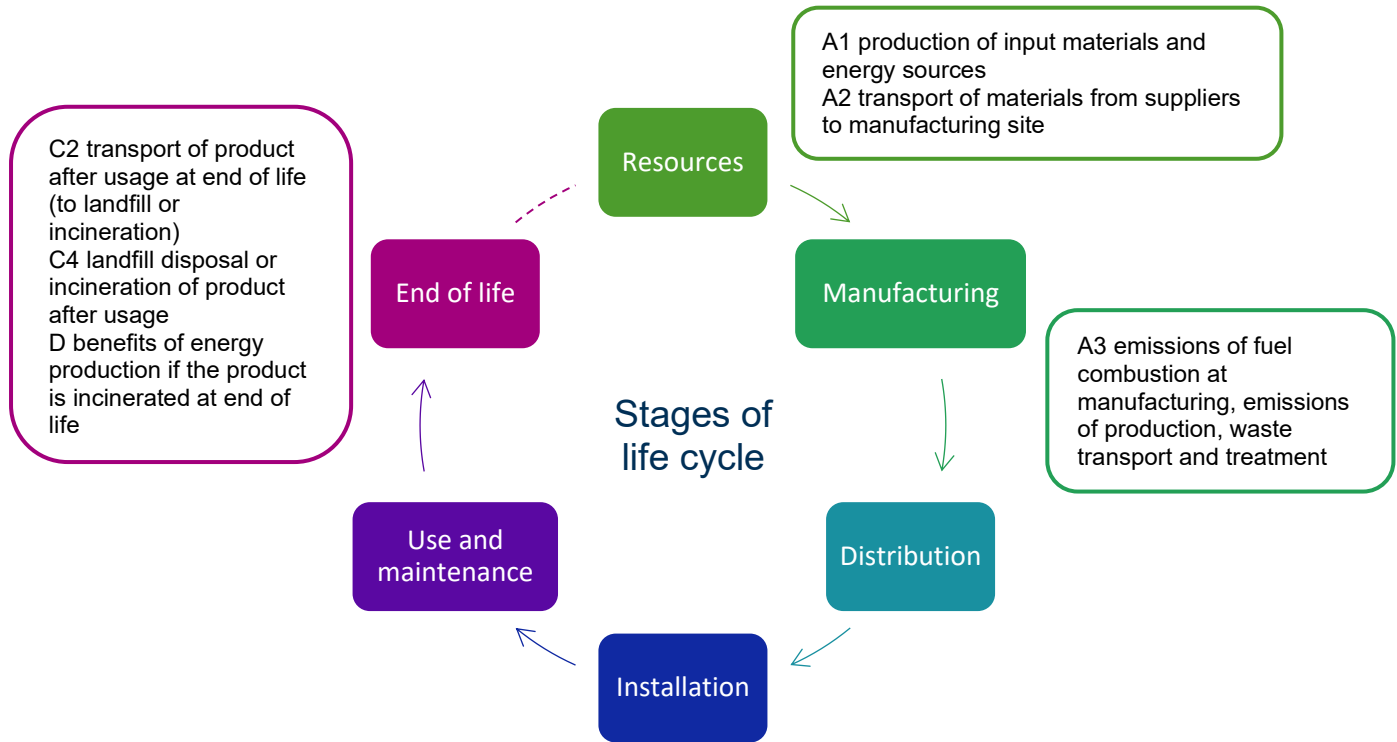
Environmental management – Life cycle assessment – Requirements and guidelines

#### **System boundaries:**

- A1 production of input materials and energy sources
- A2 transport of materials from suppliers to manufacturing site
- A3 emissions of fuel combustion at manufacturing, emissions of production, waste transport and treatment
- C2 transport of product after usage at end of life (to landfill or incineration)
- C4 landfill disposal or incineration of product after usage
- D benefits of energy production if the product is incinerated at end of life

#### *not included:*

- distribution, installation, use and maintenance.



**Impact categories:**

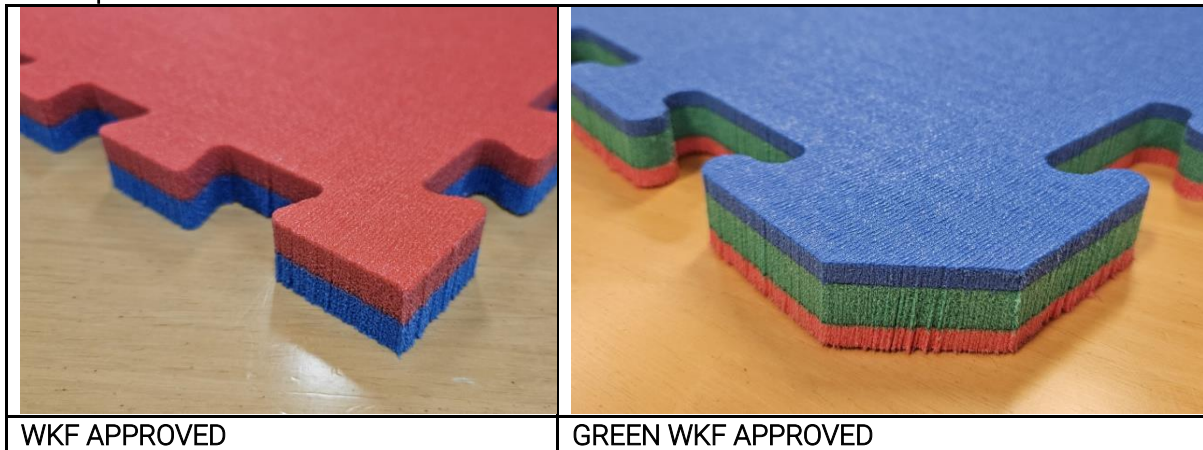
- |                    |  |
|--------------------|--|
| GWP total          | Climate change - total                               |
| GWP fossil         | Climate change - fossil                              |
| GWP biogenic       | Climate change - biogenic                            |
| GWP luluc          | Climate change - land use and land use change        |
| ODP                | Ozone depletion                                      |
| AP                 | Acidification  |
| EP freshwater      | Eutrophication aquatic freshwater                    |
| EP marine          | Eutrophication aquatic marine                        |
| EP terrestrial     | Eutrophication terrestrial                           |
| POCP               | Photochemical ozone formation                        |
| ADP mineral-metals | Depletion of abiotic resources - minerals and metals |
| ADP fossils        | Depletion of abiotic resources - fossil fuels        |
| WDP                | Water use  |
| PM                 | Particulate matter emission                          |
| IRP                | Ionizing radiation, human health                     |
| ETP-fw             | Eco-toxicity, freshwater                             |
| HTTP-c             | Human toxicity, cancer effects                       |
| HTTP-nc            | Human toxicity, non-cancer effects                   |
| SQP                | Land use related impacts / Soil quality              |

## LCA results

Based on Trocellen Group LCA Tool

Calculated by: Adami Alessandro  
 Date of calculation: 06.03.2024  
 Plant: VCP  
 LCA reference year: 2021  
 LCA Tool version: 3.0.2.

### Assumptions:



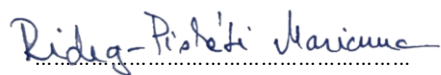
Functional unit: 1m<sup>2</sup>

### Scenarios:

Current product: "WKF APPROVED" > 85204571 MX TATAMI WKF 10020 B64/R54 1,0L1,0-Q  
 Brand new: "GREEN WKF APPROVED" > samples #23-01406

### Results:

Name	Category	Unit	Cradle to Gate Value	Reduction (%)
WKF APPROVED	GWP total	kg CO2 eq/m <sup>2</sup>	11,40	-
GREEN WKF APPROVED	GWP total	kg CO2 eq/m <sup>2</sup>	9,12	20



Marianna Rideg-Piskóti  
Corporate Sustainability Manager



Paolo Florian  
Business Unit Manager



## Trocellen Group Sustainability Vision

We give responsible answers for future generations' needs. At every opportunity, we foster an environmentally-conscious mindset and solutions across our home & work, advanced mobility, and health, sports & wellbeing focus areas. We are dedicated to leading the way towards a more pleasant tomorrow through sustainable value chains, responsible business practices, and meaningful collaboration with our partners.