



● Third party verified  
Environmental Product Declaration

In conformance with  
ISO14025 | ISO14040 | ISO14044



**KANO CORPORATION**



**Terrawell (interior tiles)**



The products covered are interior tiles.

Registration number

SuMPO-EPD-2601-84-1

Verification date

2026/1/19

Publication date

2026/1/29

Expiration date

2031/1/18

EPD type

Single Product EPD

\* First publication date

Additional standards in conformance

ISO21930:2017

EPD can be updated or withdrawn during the validity period. To confirm the validity of this EPD, check the following website:  
<https://ecoleaf-label.jp/epd/search>

Environmental Product Declaration for **Terrawell**

## ● General Information

### > Programme

Programme name	SuMPO EPD Japan
Programme operator	Sustainable Management Promotion Organization (SuMPO)
Address	KANDA SQUARE GATE 4F, 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo, 101-0047, Japan
Website	<a href="https://ecoleaf-label.jp">https://ecoleaf-label.jp</a>

### > GPI and PCR

GPI	SuMPO EPD Japan General Program Instructions v.2.1.1
PCR name	Building materials and construction products
PCR registration number	SuMPO-PCR-01000-2-0-1
PCR publication date	2025/3/31
PCR review panel chair	Toshiharu Ikaga
PCR valid until	2030/3/30
PCR issuer	Sustainable Management Promotion Organization (SuMPO)

### > Verification

Verification Type	Third-party verification in conformance with ISO14025 and ISO21930:2017		
	<input type="checkbox"/> Internal	<input checked="" type="checkbox"/> External	
選択してください	<input checked="" type="checkbox"/> Third-party verification by individual verifier	<input type="checkbox"/> Third-party verification by verification body	<input type="checkbox"/> Third-party verification by system certification
	Eiji Kimura (Boken Quality Evaluation Institute (General Incorporated Foundation))		

### > Standards

Standards in conformance with;	<input checked="" type="checkbox"/> ISO14040:2006	<input checked="" type="checkbox"/> ISO14044:2006	<input type="checkbox"/> ISO14067:2018
	<input checked="" type="checkbox"/> ISO14025:2006	<input type="checkbox"/> ISO21930:2007	<input checked="" type="checkbox"/> ISO21930:2017
	<input type="checkbox"/> EN15804+A2	<input type="checkbox"/> EN50693:2019	<input type="checkbox"/> ISO/IEC63366:2025

EPD owner is responsible for the information contained in the EPD and for environmental claims related to the information. For any inquiries or requests regarding the content of the EPD, please contact the EPD owner.

EPDs are comparable only if they comply with the same standards, use the same sub-PCR where applicable, include all relevant information modules and are based on equivalent scenarios with respect to the context of construction works. Comparability of EPDs is limited to those applying a functional unit.

The LCIA results are relative expressions and do not predict impacts on category endpoints, the exceedance of thresholds, safety margins or risks.

When using weighted averages for calculation, the life cycle impact assessment results, life cycle inventory analysis-related information, waste-related information, and environmental information on output flows do not correspond to information about a specific product.

## ● EPD Owner's Information

Name of company and dept.	Kano Corporation Sustainable Materials Division
Address	1647-3 Kasahara-cho, Tajimi City, Gifu Prefecture, Japan
Contact	+81-572-43-3161
LCA practitioner	Kano Corporation (Kazufiro Fukuda)
Company description	Planning and sales of interior and exterior tiles, and warehousing business.

Environmental Product Declaration for **Terrawell**

## ● Product Information

Product name	Terrawell (interior tiles)		
Product /model number	Terrawell		
Product specification	Function	The structure of the building's interior using tiles	
	Mass	1.12 kg	Conversion factor 1.12 kg
	Applications	The construction of the building's interior using tiles	
Service life	TS*	-	
	Service life	about 15 years	
	In-use conditions	Use in a general environment inside a building	
	reference	According to the National Tax Agency's statutory useful life, it falls under the category of building fixtures.	
Manufacturing site(s)	Head office factory (Tajimi City, Gifu Prefecture)		
Product description	Terrawell is a tile that hardens and stabilizes by absorbing CO <sub>2</sub> from the air. It is a non-fired tile made from natural materials. It also contributes to deodorizing and		
Website	<a href="https://terrawell.jp/">https://terrawell.jp/</a>		

\* TS: technical specifications,

## ● Product Content

Product components	Proportion (%)	Mass (unit)
Alkaline inorganic materials	32.5	0.33 kg
carbonate minerals	43.5	0.44 kg
biotite rhyolite	12.5	0.13 kg
clay	5.0	0.05 kg
Porous aluminosilicate minerals	5.5	0.06 kg
porous mineral clay	1.0	0.01 kg
Packaging materials	Proportion (%)	Mass (unit)
cardboard	100.0	0.12 kg

## ● Biogenic Carbon Content

Item	Content (kg-C)	Content (kg-CO <sub>2</sub> eq)
Biogenic carbon content per product	-	-
Biogenic carbon content in packaging	0.0515	0.189

Environmental Product Declaration for **Terrawell**

## ● LCA-related Information

### > EPD Type Information

EPD type	Product type	<input checked="" type="checkbox"/> Single product EPD	<input type="checkbox"/> Multiple products EPD	<input type="checkbox"/> Industry-wide EPD
	Site type	<input checked="" type="checkbox"/> Single site		<input type="checkbox"/> Multiple sites
	Value	<input checked="" type="checkbox"/> Specific	<input type="checkbox"/> Average	<input type="checkbox"/> Representative <input type="checkbox"/> Worst case
Geographical coverage		global		
Description of representativeness for multiple-products/sites EPD		-		
Description of variation for multiple-products/sites EPD		-		
Description of products covered in the multiple products EPD		-		

### > LCA Information

Declared unit	1kg		
Mass per declared unit (Conversion factor to mass)	-		
Reference flow (number of products required to fulfil the function)	-		
System boundary	<input checked="" type="checkbox"/> Cradle-to-Gate	<input type="checkbox"/> Cradle-to-Gate with options	<input type="checkbox"/> Cradle-to-Grave
LCA software	Cloud version MiLCA ver.1.2.1.9		
LCI database	AIST-IDEA ver3.5.1		
Characterization model	Climate Change: IPCC, 2021, Other Environmental Areas: LIME2		
Use of other background data	-		
Secondary data quality	The calculations were performed using data that met the secondary data quality requirements specified by GPI. The data quality evaluation was conducted in accordance with ISO 14044:2006 (Environmental management – Life cycle assessment – Requirements and guidelines) section 4.2.2.6		
Primary data collection sites	Head office factory		
Primary data collection period	From September 2023 to October 2024		
Biogenic carbon	<input type="checkbox"/> 0/0 approach	<input checked="" type="checkbox"/> -1/+1 approach	
Information about electricity	Use	<input checked="" type="checkbox"/> Average consumption mix	<input type="checkbox"/> Others
	Type	Not applicable	
	Purchase date	Not applicable	
	Issuing body	Not applicable	

### > Modules

Production stage			Construction stage		Use stage							End-of-life stage				Suppl. info
A1	A2	A3	A4	A5	Use					Operation		End-of-life stage				
					B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Extraction and upstream production	Transport to factory	Manufacturing	Transport to site	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction / Demolition	Transport to waste processing or disposal	Waste processing	Disposal of waste	Potential net benefits
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-	-	-

: declared module    - : module not declared

**> Allocation**

We considered process subdivision and allocation according to the procedures described in GPI. We allocated factory power and other resources based on production volume.

**> Cut-off rules**

Based on PCR regulations, raw material containers and packaging account for less than 5% of the total input into the manufacturing process of this EPD-eligible product, and therefore were included in the cutoff.

**> System Boundary**

The settings were determined based on PCR. The temporal system boundary is 100 years.

**> Scenario**

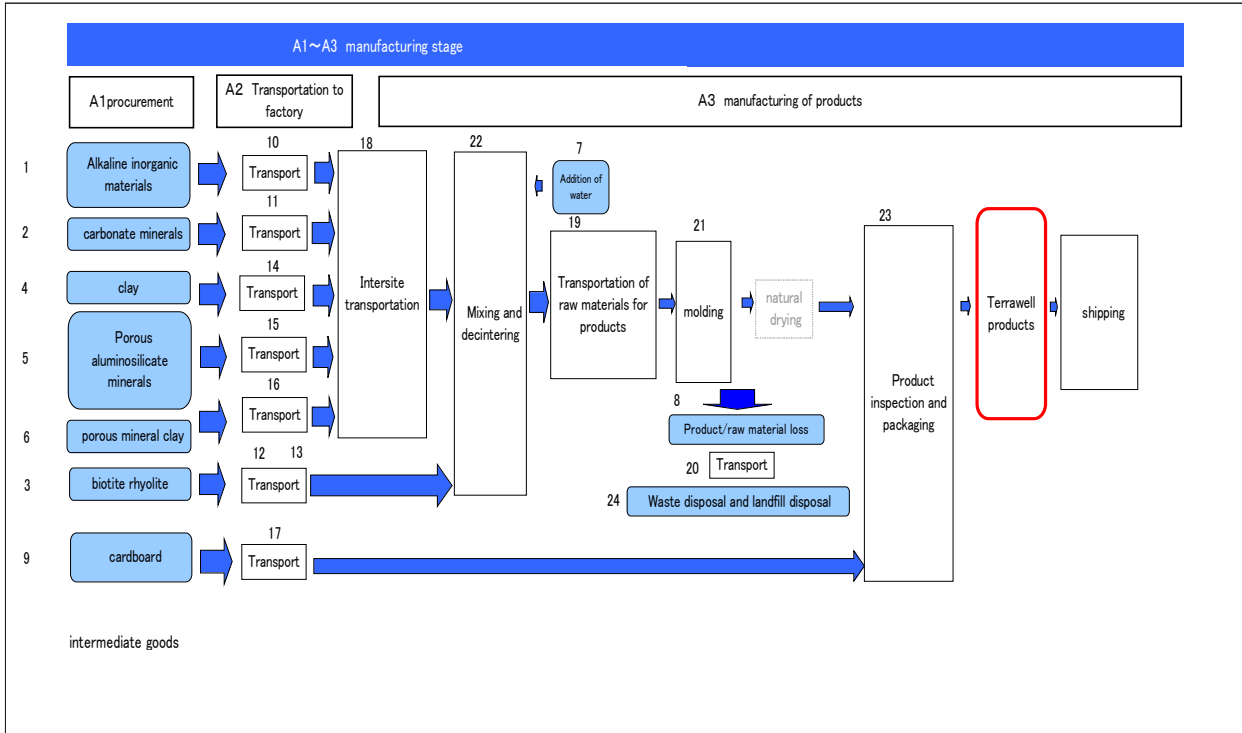
Modules	Description
A1	Raw material transport scenarios specified in PCR
A2	Raw material transport scenarios specified in PCR
A3	Raw material transport scenarios specified in PCR

**> Electricity Modelling**

For all lifecycle stages covered, calculations were performed using data on the average grid power in Japan in 2021.

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> Life Cycle System Diagram







## &gt; Description of LCA Results

- This product has a function to adsorb and fix CO<sub>2</sub> within the product body after completion, but this absorption and fixation effect is not included in the calculation results.
- Because general values (unit costs) are used, these results may not reflect the specific characteristics of this product. Therefore, please use these results as approximate values.

## ● Additional Environmental Information

## &gt; Additional Environmental Information not related to LCA

SBTi certified company

## &gt; Information on Hazardous Substances

Hazardous materials name	CAS No.	Standards or regulations
none		

## Release of dangerous substances from construction products

none

## ● Definitions of Terms

none

## ● References

- ISO14025:2006 Environmental labels and declarations - Type III environmental declarations - Principles and procedures
- ISO14040:2006 Environmental management - Life Cycle Assessment - Principles and framework
- ISO14044:2006 Environmental management - Life Cycle Assessment - Requirements and guidelines
- ISO21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products and services

## ● Version History

none