

Carbon footprint (Based on ISO 14067:2018)

SuMPO EPD Japan

Climate Declaration

Sustainable Management Promotion Organization (SuMPO)

KANDA SQUARE GATE 4F, 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo, 101-0047, Japan

Registration number : SuMPO-EPD-2508-1-1

<https://ecoleaf-label.jp>

The Climate Declaration indicates greenhouse gas emissions in terms of CO₂ equivalents and is not an EPD. Please visit <https://ecoleaf-label.jp/> to verify the EPD.

LIXIL Corporation



GWP (Carbon footprint)

7.07 kg CO₂eq

fossil	7.1	kg CO ₂ eq	99.8	%
biogenic	0.00	kg CO ₂ eq	0.0	%
land use and land use change	0.01	kg CO ₂ eq	0.1	%
aircraft		kg CO ₂ eq	0.0	%

PremiAL



Product and LCA Information

Functional unit

kg

System boundary Cradle-to-Gate

Product /model number Aluminum extruded shapes
(intermediate products)

Applications

Aluminum products
(e.g., residential and commercial sashes, exterior
products, industrial components).

EPD type

Multiple products EPD

LCI Data and Other Data Used for Calculation

IDEA v3.4

Biogenic carbon -1/+1 approach

EPD Verification Information

Registration number SuMPO-EPD-2508-1-1

Verification number SuMPO-EPD-2508-1-1

Verification date 8/ 8/2025

Publication date 9/17/2025

Expiration date 8/ 7/2030

Verification Type Third-party verification by system certification

Verifier Tomoko Fuchigami (EFPRO LLC.)

PCR

Name Core PCR for Construction products

Registration number SuMPO-PCR-01000-2-0-0

Publication date 3/31/2025

Review panel chair Toshiharu Ikaga

Biogenic Carbon Content

Item	Content (kg-C)	Content (kg-CO ₂ eq)
Biogenic carbon content per product	-	-
Biogenic carbon content in packaging	-	-

※ All model numbers in the group have the same configuration and differ only in shape.

EPD Link

<https://ecoleaf-label.jp/epd/2426>

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GWP (Carbon footprint)																		Supple. Info
		Production stage			Construction stage		Use stage							End-of-life stage				D
							Use			Operation								D
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4			
GWP - total	kg CO ₂ eq	4.89E+00	3.01E-02	2.16E+00	–	–	–	–	–	–	–	–	–	–	–	–	–	
GWP - fossil	kg CO ₂ eq	4.88E+00	3.01E-02	2.15E+00	–	–	–	–	–	–	–	–	–	–	–	–	–	
GWP - biogenic	kg CO ₂ eq	1.82E-03	5.77E-06	1.35E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	
GWP - land use and land use change	kg CO ₂ eq	7.54E-03	3.11E-05	1.69E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	
GWP - aircraft	kg CO ₂ eq	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Description of LCA Results

- Transport Scenario Summary: Transport between countries is calculated using actual distance data, while all other transport is calculated according to the PCR scenario.
- Note on EPD Validity: The EPD may be updated or its publication discontinued if circumstances change. To confirm the latest version and validity of this EPD, please check the following URL: <https://ecoleaf-label.jp/epd>

Additional Environmental Information not related to LCA

Produced in factories certified under ISO 14001.

About the Climate Declaration

This declaration is based on LCA calculation results conducted to create an EPD in compliance with ISO 14025, specifically disclosing only the global warming potential (carbon footprint). It should be noted that indicators other than the carbon footprint may have equal or greater importance than the impact on global warming; therefore, careful attention is required in the interpretation and communication of this declaration. These figures represent a partial extract of verified data, and the declaration itself has not been verified under the SuMPO Environmental Label Program. For the ISO 14025-compliant EPD, please refer to the QR code on the right.

Contact

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EPD Link

