



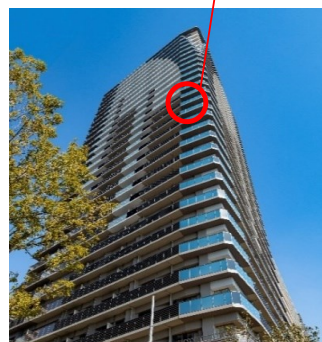
FUJI SASH CO.,LTD.

aluminium profile for building material



Excluding glass and parts

Window part of a building



Functional unit

Aluminum shapes for building materials: 1 kg in weight

System boundary

☐ final products ☒ intermediate products

Production stage (Procurement of raw materials,
transportation of raw materials, production)

Main specifications of the product

Type: Aluminum profiles for building materials
(in-house casting)

Products: Aluminum building and residential sashes,
curtain walls, etc.

Weight range: 0.5 kg to 90.0 kg

Material: Aluminum

Main raw materials: Recycled aluminum materials,
new aluminum ingots (Recycling rate = 70%)

Main manufacturing plant: Chiba Plant

Company Information

4-32-1 Nishigotanda, Shinagawa-ku, Tokyo, Japan

FUJI SASH CO.,LTD. Sustainability Promotion Office

TEL : 03-6867-0755 URL : <https://www.fujisash.co.jp/>

Registration# JR-AD-25002E

PCR number PA-212300-AD-05

PCR name Windows

Publication date 6/2/2025

Verification date 5/27/2025

Verification method Product-by-product

Verification# JV-AD-25002

Expiration date 5/26/2030

PCR review was conducted by:

Approval date 10 May ,2023

PCR review Masayuki Kanzaki

panel chair (General Incorporated Association,
Sustainable Management Promotion Organization)

Third party verifier*

Tomoko Fuchigami

Independent verification of data & declaration in
accordance with ISO14025

☐ internal ☒ external

*Auditor's name is stated if system certification has been performed.

Registration number : JR-AD-25002E

SuMPO EPD

Type III Environmental Declaration (EPD)

Results of life cycle impact assessment (LCIA)

[illegible]

Life cycle inventory analysis (LCI)

Indicators describing use of primary resources

[illegible]

RPRE = renewable primary resources used as an energy carrier (fuel)

RPRM = renewable primary resources with energy content used as material

NRPRE = non-renewable primary resources used as an energy carrier (fuel)

NRPRM = non-renewable primary resources with energy content used as material

ADP_{fossil}, consumption of freshwater, and emissions and removals of CO₂[illegible]

Waste to disposal

[illegible]



Registration number : JR-AD-25002E

SuMPO EPD

Type III Environmental Declaration (EPD)

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku,

Tokyo Japan

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

Additional explanation

Since the application is for intermediate goods, the production stage (raw material procurement, raw material transportation, and production) was covered based on PCR.

For the transportation scenarios, primary data were used only for domestic transportation of aluminum-based raw materials; all other data were based on PCR scenarios.

All data were calculated as averages based on actual results in the production of aluminum products for building materials manufactured by extruding billets cast in-house. Although the extrusion process at this manufacturing plant uses purchased billets in addition to in-house cast billets, since the two can be distinguished according to the specifications (or designated shipments), the calculation was made without including purchased billets.

Supplementary environmental information

The products covered by this declaration are manufactured at the ISO 14001 certified plant.

Material composition

Material		Unit
Aluminum	More than 98 remainin	%
Magnesium	0.45~0.9	%
silicon	0.20~0.6	%
Nickel	0.01~0.07	%

Regulated hazardous substances

Substance	CAS No.	Reference to standards or regulations
Nickel sulfate	7786-81-4	Priority Assessment Chemical Substances (The Chemical Substances Control Law): Used in surface treatment processes at the plant
Boric acid	10043-35-3	Class I designated chemical substances (PRTR): Used in surface treatment processes at the plant

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
(Reference URL : <https://ecoleaf-label.jp/regulation/>)
- This is a selfdeclared translation of EPD that can be accessed at [<https://ecoleaf-label.jp/epd/2296>]
and is published for convenience purposes. Only the original EPD is valid and binding between parties.

Assumptions of secondary data used

IDEA ver. 3.4 was used.

Remarks

-