

Climate Declaration

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
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<https://ecoleaf-label.jp>

Registration number of EPD: JR-BW-25002E-A

※The Climate Declaration indicates greenhouse gas emissions in CO2 equivalent values and is not an EPD. Please check here for EPD: <https://ecoleaf-label.jp/>



Nippon Electric Glass Co., Ltd.

Heat-resistant crystallized glass for fire door
FireLite Plus®



Declaration unit・Functional unit

1m²

System boundary

☐ final products ☒ intermediate products

Raw material acquisition-Distribution-Production

Main specifications of the product

Production sites ; Otsu Plant, Shiga Takatsuki Plant

Specifications ;

product thickness average : approx. 10mm

Weight per square meter ; approx. 23kg

Processing method ; Crystallization & Lamination method

Main application ; Architectural

PCR information

PCR name Processed glass

PCR review panel

Approval date 1 September 2023

PCR review
panel chair Ken Yamagishi

Sustainable Management Promotion Organization

EPD Verification information

Registration# JR-BW-25002E-A

PCR number PA-171190-BW-02

Publication date 1 April 2025

Verification date 30 January 2025

Verification method Product-by-product

Verification# JV-BW-25002

Expiration date 29 January 2030

Verifier ☐ internal ☒ external

Hiroyuki Nakamura

GWP (Carbon footprint)

Stages of the Life cycle	Breakdown	Unit	Percentage
①Raw material acquisition	6.6E+01 kg-CO2eq		62.4%
②Distribution	2.3E-01 kg-CO2eq		0.2%
③Production	3.9E+01 kg-CO2eq		37.4%

Total 1.1E+02 kg-CO2eq

Additional information

The total energy use is 2126 MJ.

About the Climate Declaration

This declaration is based on the results of LCA calculations conducted to prepare an EPD in accordance with ISO 14025, and only the global warming impact (carbon footprint) has been isolated and disclosed. Indicators other than carbon footprint may be of equal or greater importance to the impact on global warming, and therefore great care must be taken in the interpretation and communication of this declaration. This figure is a portion of the verified data, and the declaration itself has not been verified by Japan EPD Program by SuMPO. Please check the QR on the right for EPD compliant with ISO14025.

EPD Link



EPD Link

<https://ecoleaf-label.jp/en/epd/2211>

LCI date

IDEA ver.3.1.0

Company Information

<https://www.neg.co.jp/en/inquiry/>

Nippon Electric glass Co., Ltd. Consumer Glass Prodaucts Division, Production Quality Assurance Department