



Carbon Footprint of Products

CFP Declaration

Registration number : JR-AR-24006C

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

FUJIFILM Corporation

Digital Thermal Plate

<Processing required with the solution/
Partly recycled aluminum used> For Europe

FUJIFILM
SUPERIA
Digital Thermal Plate



Functional unit

Typical plate gauge 0.24 mm per square meter (m²)

System boundary

■ final products □ intermediate products

Raw material acquisition, Production, Distribution,
Use & maintenance, End-of-Life

Main specifications of the product

Model:

Please refer to the next page (Model: SUPERIA XP-F, etc.)

Applicable to:

Offset printing plates that have a developing process in a product group that uses a thermal exposure plate as an imaging method.

Main Product Composition:

-Substrate: Made from new aluminum ingots, with approximately 14.6% of recycled aluminum content

-Plate gauges: 0.15 to 0.40 mm

-Photosensitive layer: All coating materials are regard as the functional resin

-Individual packaging: Outer box, inner packaging, and interleaf paper

-Developing process: The dedevelopment solution used, under the standard conditions

Registration# JR-AR-24006C

PCR number PA-937192-AR-05

PCR name Pre-Sensitized plates for lithographic printing

Publication date 9/25/2024

Verification date 4/12/2024

Verification method Product-by-product

Verification# JV-AR-24006

Expiration date 4/11/2029

PCR review was conducted by:

Approval date 5/10/2023

PCR review Masayuki Kanzaki

panel chair Sustainable Management Promotion Organization

Third party verifier*

Takahiro Ato

Independent verification of data & declaration in accordance with ISO/TS14067

internal

external

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

Company Information

FUJIFILM Corporation

Graphic Communications Division

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Registration number : JR-AR-24006C



1. Quantification results, and contents of the declaration

CFP quantification unit :

Parameter			Unit
CFP Quantification results		9.6	kg-CO₂eq
Breakdown	Raw material acquisition	7.4	kg-CO ₂ eq
	Production	1.2	kg-CO ₂ eq
	Distribution	0.68	kg-CO ₂ eq
	Use & maintenance	0.30	kg-CO ₂ eq
	End-of-Life	0.05	kg-CO ₂ eq
Value on CFP mark		9.6	kg-CO₂eq
Unit for the value on CFP mark		Typical plate gauge 0.24 mm per square meter (m ²)	

*Quantification results may slightly differ from the sum of the breakdown due to rounding of fractions.

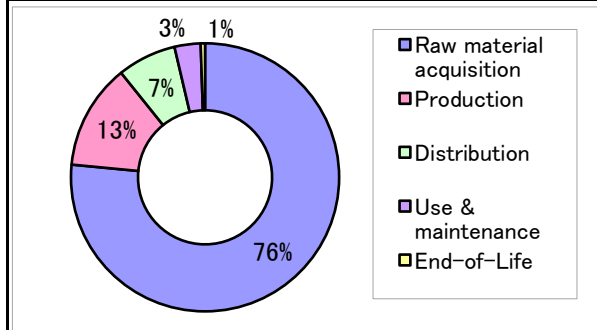
3. Supplementary environmental information

Produced in ISO 9001 and ISO 14001 certified factory.

-ISO 9001:2015/JIS Q 9001:2015 JMI-0129 JQA

-ISO 14001:2015/JIS Q 14001:2015 JQA-E-80019 JQA

2. Additional information



The calculation results for CFP are based on a plate gauge of 0.24 mm. Please refer to Table 1 for CFP values for different plate gauges.

All the products listed in Table 2 belong to the category of Digital Thermal Plates are manufactured by the same method. The infrared laser exposure in the process of using the plate is also the same. The difference between the products is a minor difference in the composition (ratio) of the phenolic resin in the photosensitive layer. However, since "phenolic resin" is used as the basic unit for calculation (see PCR), the CFP value remains the same.

Table 1

Plate gauge (mm)	CO ₂ eq (kg/m ²)
0.15	6.7
0.20	8.3
0.24	9.6
0.30	11.6
0.40	14.8

Table 2

Product name
SUPERIA LH-PA
SUPERIA LH-PJA
SUPERIA LH-PK
SUPERIA LH-PLA
SUPERIA LH-PLE
SUPERIA XP-L

4. Interpretation

-Typical CFP values are based on a plate gauge of 0.24 mm per square meter (m²) and with 14.6% recycled aluminum used as the raw material.

-CO₂eq emissions from the raw material stage accounted for the highest proportion, approximately 76% of the total lifecycle. This is due to the production of the main raw material, aluminum, and therefore, the reduction of CO₂eq emissions through the utilization of recycled aluminum is a significant factor^{*1}.

*1 The utilization of recycled aluminum has reduced CO₂eq emissions by approximately 27% compared to the use of all new aluminum ingots (CFP value of 13 kg-CO₂eq/m²).

-Please note that the raw material usage and product manufacturing load are based on our data, and the data for new aluminum ingot manufacturing is based on the supplier's primary data, while the other data are general values.

5. Assumptions of secondary data used

IDEA ver. 3.1.0 are used.

6. Remarks

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- 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/>)
- The CFP only addresses the single impact category of climate change and does not assess other potential social, economic and environmental impacts arising from the provision of a product.