Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

RICOH
imagine. change.

RICOH COMPANY,LTD.

Color MFP (Electrophotography)

IM C4510 (for NA)



※The inner 1-bin tray shown in the image is not included in the LCA calculation scope of the relevant EPD.

Functional unit

Per product

System boundary

■ final products □intermediate products

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

Main specifications of the product

Product name: IM C4510（for NA)

Main specifications:

MFP (Electrophotography)

Print Speed：Monochrome 45ppm,Color 45ppm (A4)

Maximum Paper Size：A3

Function: Print /Copy /Scan

Included Units in Assessment：Automatic Reversing Document Feeder, Automatic Duplexing Unit

Company Information

RICOH COMPANY,LTD

https://www.ricoh.co.jp/

Registration#	JR-AI-23218E-A
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	21 Jul 2023
Verification date	30 Jun 2026
Verification method	Product-by-product
Verification#	JV-AI-23218-A
Expiration date	29 Jun 2031

PCR review was conducted by:

Approval date	1 Sep 2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

□internal ■external

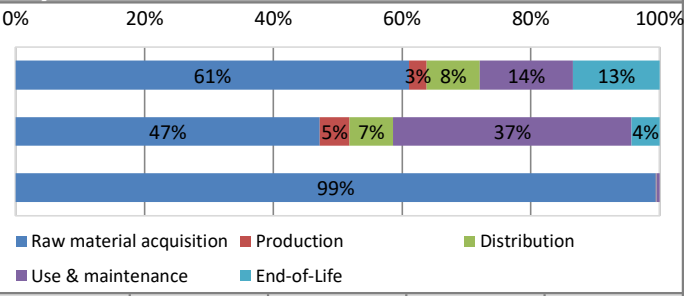
*Auditor's name is stated if system certification has been performed.

SuMPO EPD
Type III Environmental Declaration (EPD)
Registration number： JR-AI-23218E-A

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1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	910	kg-CO_2eq
Acidification	1.4	kg-SO_2eq
Resources consumption	0.71	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	9.1E+02	5.6E+02	2.5E+01	7.5E+01	1.3E+02	1.2E+02
Acidification	kg-SO_2eq	1.4E+00	6.4E-01	6.2E-02	9.2E-02	5.0E-01	5.9E-02
Resources consumption	kg-Sbeq	7.1E-01	7.0E-01	1.4E-04	3.3E-04	3.4E-03	6.5E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	8.7E+01	kg
Renewable material resources	1.1E+02	kg

3. Material composition

Material		Unit
SUS	2.8E+00	kg
Aluminum	1.3E+00	kg
Ordinary steel	4.5E+01	kg
Other metals	5.0E+00	kg
Thermoplastic resin	3.9E+01	kg
Thermosetting resin	1.4E+00	kg
Glass	2.0E+00	kg
Rubber	8.2E-01	kg
Paper	1.1E+01	kg
Lubricant	5.6E-03	kg
Mounting circuit board	1.4E+00	kg
Wood	9.0E+00	kg
Other	0.0E+00	kg

5. Additional explanation

Products selected in the scenario used for load calculation
--MFP (Electrophotography)
・Product destination: NA
・ Expected usage period: 5 years
・ Estimated number of sheets:297,600 sheets ※
※Compatible with International Energy Star Program Ver.3.0
-The load on the image output medium (printing paper) is not included.

6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.3.0. It also complies with the European RoHS Directive.
Assembly production of this product and production of the main parts, photoconductor and toner, are carried out at an ISO14001 certified factory.
Certification number: BSI-EMS765926 , JQA－E-70001
https://jp.ricoh.com/sustainability/environment/management/iso

7. Assumptions of secondary data used

IDEA v3.1.0, and registered data of Japan EPD Program by SuMPO v1.16 are used.

8. Remarks

Rev. A (30 Jun 2026) : Recalculated based on the latest data.

- 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/)