

CLIMATE DECLARATION FOR ALUMINIUM ALLOYS, ALUMINIUM INGOTS FROM RECYCLIG IN CONTINUOUS CASTING OF SILVAL RANGE

Functional unit: 1 kg aluminum of SILVAL range ingots

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.



Information about the product

The main characteristics of the product are a recycled aluminium content of more than 80%, the use of high quality alloys, continuous casting and customised according to customers' production requirements, as well as total control of the production chain. The aluminium ingots in continuous casting have a traceability system with the casting number engraved on each individual bar, giving the customer the guarantee that the entire aluminium production cycle can be traced at any time.

Information about the company

Raffmetal S.p.A. belongs to the Silmar Group, an integrated group of leading companies in the heating, recycled aluminium and plumbing sectors. The Group was founded in 1963 and is today recognised worldwide with the presence of more than 30 factories, maintaining its headquarters in Italy, in the province of Brescia. Raffmetal is today Europe's largest producer of aluminium alloys from recycling. It has a production capacity of over 350,000 tonnes per year, 404 employees and three production plants located

between Casto and Odolo, in the province of Brescia, and is able to meet the needs of international customers operating in different industrial sectors.

Climate declaration Upstream and Core

The table below lists the emissions of greenhouse gases Upstream and Core processes for the product in kg CO₂ eq. per 1 kg of aluminum ingots.

	Upstream	Core	TOTAL
GWP - Fossil	1.41E+00	4.50E-01	1.86E+00
GWP - Biogenic	5.28E-02	9.06E-03	6.19E-02
GWP - Luluc	1.55E-03	1.22E-04	1.67E-03
GWP - Total	1.46E+00	4.59E-01	1.92E+00

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM

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PCR: PRE-CERTIFIED EPD

UN CPC: PRE-CERTIFIED EPD

PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM

INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025:
DNV BUSINESS ASSURANCE ITALY S.R.L.

ACCREDITED / APPROVED BY:
ACCREDIA

CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE

THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.