



Environmental Product Declaration

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

Coated aluminium coil and sheet

from

Euramax Coated Products B.V.



Programme:	The International EPD System, www.environdec.com
Programme operator:	EPD International AB
Type of EPD:	EPD of multiple products, based on the average results of the product group (see Table 1)
EPD registration number:	EPD-IES-0025688:001
Version date:	2025-12-01
Validity date:	2030-11-30
<i>An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com</i>	



GENERAL INFORMATION

Programme Information	
Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	support@environdec.com

Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): PCR 2019:14 Construction products (EN 15804+A2) (version 2.0.1)
PCR review was conducted by: The Technical Committee of the International EPD System. Chair of the PCR review: Rob Rouwette (chair), Noa Meron (co-chair) The review panel may be contacted via support@environdec.com.
c-PCR, if applicable: not applicable.

Third-party Verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:
☒ Individual EPD verification without a pre-verified LCA/EPD tool Third-party verifier: <i>SGS ICS Italia srl</i> Accredited by: ACCREDIA, accreditation number 02242
Procedure for follow-up of data during EPD validity involves third party verifier:
☐ Yes ☒ No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterisation factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

INFORMATION ABOUT EPD OWNER

Owner of the EPD: Euramax Coated Products B.V.

Address: Industrieweg 6, 6045JG Roermond, the Netherlands

Contact: info@euramax.eu

LCA practitioner commissioned by the EPD owner: Ecochain Technologies B.V., H.J.E.

Wenckebachweg 123, 3B, 1096 AM Amsterdam, the Netherlands

Description of the organisation: Euramax Coated Products is a leading provider of coated aluminium to the construction and mobility industries. We operate state of the art coil coating lines, offering coated aluminium up to 2630 mm wide in a broad range of colours and finishes. We offer our products both as sheet and coil.

PRODUCT INFORMATION

Product name: Coated aluminium coil and sheet

Product identification: -

Visual representation (e.g., an image) of the product see cover

UN CPC code: 41534 – Plates, sheets, and strip, of aluminium, of a thickness exceeding 0.2 mm.

Other codes for product classification: [e.g. GTIN, CPV, UNSPSC, NACE/CPA, ANZSIC]

Product description: Coated aluminium delivered in the form of coil or sheet. Widths up to 2630 mm and varying thickness up to 2 mm. The aluminium coils are coated at the production facilities of Euramax Coated Products B.V. with the highest quality of paint. The paint finishes can be in the following paint systems:

- PVDF
- PE
- HDP
- FEVE
- Texture

The manufacturer of the aluminium coils follows a controlled process with quality controls. The coated aluminium coils and sheets at Euramax Coated Products B.V. have different uses, such as composite panels, building materials, sidewalls recreational vehicles, automotive industry, public transportation etc.

Euramax offers different alloys: Stronglite, 5052, 5057, 3005, 3003, and more.

Name and location of production site(s): Industrieweg 6, 6045JG Roermond, the Netherlands

Multiple products coverage:

The declared unit of this EPD is 1 kg Euramax coated aluminium coil and sheet. The results per kg are based on the weighted average of 31 products in the Euramax coated aluminium coil and sheet. The table below provides the products covered with this EPD.

Individual Euramax coated aluminium coil and sheet covered in this EPD		
FOD standard - 5000 alloy	Standard coil embossed 5000-alloy	Wide coil 3005-alloy
FOD wide - 5000 alloy	Standard coil stronglite-alloy	Wide coil 5000-alloy
Standard coil 3000-alloy	Standard sheet 3000 alloy	Wide coil 5000-alloy decor

Standard coil 3005-alloy	Standard sheet 3005-alloy	Wide coil stronglite-alloy
Standard coil 5000-alloy	Standard sheet 5000-alloy	Wide sheet 5000-alloy
Standard coil décor & embossed 3005-alloy	Standard sheet décor & embossed 3005-alloy	Wide sheet 5000-alloy decor
Standard coil décor 3000-alloy	Standard sheet decor 3005-alloy	Wide sheet stronglite-alloy
Standard coil decor 3005-alloy	Standard sheet decor 5000-alloy	Wide sheet3000-alloy
Standard coil decor 5000-alloy	Standard sheet embossed 3005-alloy	Wide sheet3000-alloy decor
Standard coil embossed 3000-alloy	Standard sheet embossed 5000-alloy	
Standard coil embossed 3005-alloy	Wide coil 3000-alloy	

CONTENT DECLARATION

The mass (weight) of one unit of a product, as purchased or per declared unit: 1 kg

The content information below is based on an EPD of multiple products, based on the average results of the product group.

Product components	Mass, (kg)	Post-consumer recycled material, mass-% of product	Pre-consumer recycled material, mass-% of product	Biogenic material, mass-% of product	Biogenic material, kg C/product or declared unit
Aluminium	0,955	8.6	22.9	0.00	0.00
Paint	0,035	0	0	0.00	0.00
Self adhesive foil	0,010	0	0	0.00	0.00
TOTAL	1,00	8.6	22.9	0.00	0.00

Packaging materials	Weight, (kg)	Weight-% (versus the product)	Biogenic material, kg C/product or declared unit
Cardboard	6,50E-03	0,65%	1,76E-03
Film	3,48E-04	0,03%	0.00
Pallet	5,00E-03	0,50%	2,20E-03
Plastic band	8,60E-05	0,01%	0.00
Rubber mat	6,95E-04	0,07%	0.00
TOTAL	1,26E-02	1,26%	3,96E-03

Dangerous substances

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

LCA INFORMATION

Declared unit: 1 kg

Reference service life: The use phase has been excluded, and therefore the reference service life is not considered.

Time representativeness: The year covered by the data used for the LCA calculation is from 2024.

Geographical scope: Modules A1-A3: EU, Modules A4-D: EU

Database(s) and LCA software used: For life cycle modelling of the considered product, the Ecoinvent version 3.9.1 was used. The modelling was done in the LCA software Ecochain Helix.

Description of system boundaries:

The EPD considers Cradle-to-gate with options (A4-A5), modules C1-C4 and module D. The included modules are: A1, A2, A3, A4, A5, C1, C2, C3, C4, D. The excluded modules are: B1-B7.

Mentioned in full:

Raw material supply (A1), Transport of these materials (A2), the manufacturing of waterproofing system (A3), transport to construction location (A4), installation at construction location (A5), the use (B1), the maintenance (B2), the repair (B3), the replacement (B4), the refurbishment (B5), Operational energy use (B6), Operational water use (B7), deconstruction of the waterproofing systems (C1), the transport to the waste processor (C2), the waste processing itself (C3), the waste disposal (C4), and finally the benefits and loads beyond the system boundaries (D).

All relevant inputs and outputs - like emissions, energy and materials - have been taken into account in this LCA. And in accordance with EN15804+A2:2019 the total neglected input flows per module do not exceed 5% of energy usage and mass. In this LCA, the waste processes are allocated in the relevant module. In the case of the use of secondary materials or energy recovered from secondary fuels, the system boundary between the system under study and the previous system (providing the secondary materials) is set where outputs of the previous system, e.g. materials, products, building elements or energy, reach the end-of-waste state. All processes were included.

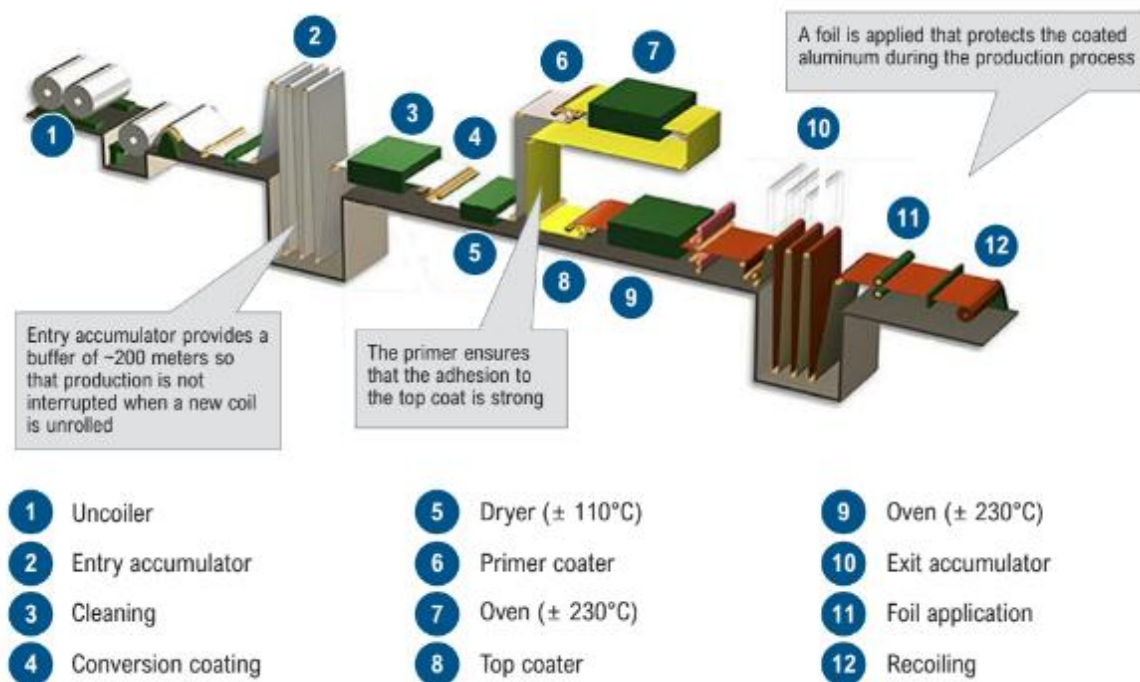
The system boundaries that have been adopted are in accordance with modular approach of EN 15804+A2. The allocation has been done based on a bulk method, in which the usages and emissions of a full production year are taken into account. The emissions are divided over internal processes, and thereafter over the full production portfolio. This is done to determine the average emissions per product.

Process flow diagram:

The bare, unpainted aluminium material is supplied to Euramax in coils. Euramax operates two paint lines located in Roermond: a "Standard paint line" (up to 1628 mm wide) and "Wide paint line" (1628 – 2630 mm wide).

The material is treated to remove the oxidized layer on the surface and coated to the required finish. The material is re-wound into coated aluminium coils and packaged or prepared for the next production step, if applicable. The coil coating process is shown schematically in the diagram below.

Coated coils can undergo additional production steps such as embossing (adding patterns to the material to increase strength of the material and visual effect), slitting material in smaller widths, cutting coils to sheet or adding striping and decor. All these additional steps are optional for the coated material. Afterwards the material is packaged and shipped to or collected by the customer.

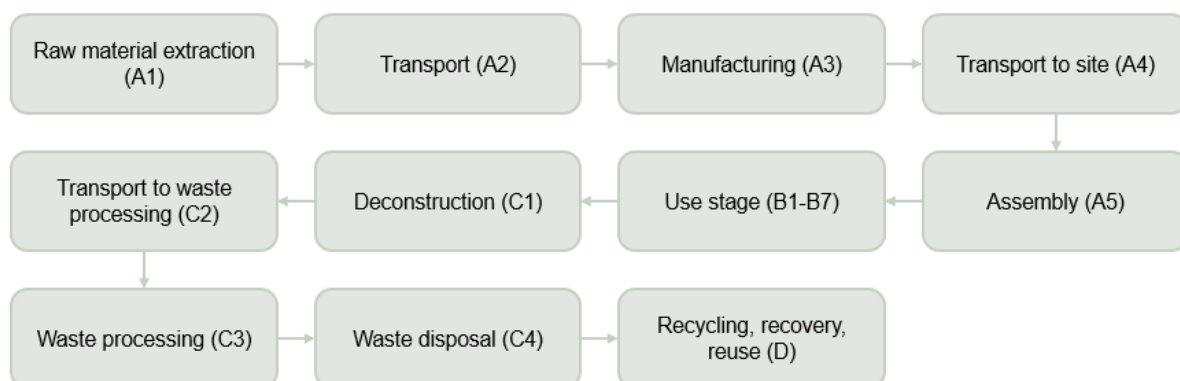


More information:

Electricity mixes

The electricity mix considered for the processing site is residual electricity mix of the Netherlands. The emission factor for the GWP-GHG indicator for the residual electricity mix of the Netherlands is 0.966 kg CO₂ eq. per kWh.

System diagram:



Modules declared, geographical scope, share of primary data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage				Beyond product life cycle
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling- potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	GLO	GLO	NL	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU	EU
Share of primary data	97.4% for A1-A3			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	24%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%			-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data quality

The EPD covers Coated aluminium coil and sheet products from Euramax Coated Products B.V. located in Roermond, the Netherlands, with provided data for the year 2024. The products go through several processing steps and the factory site is powered by green energy. The EPD covers transport to, and end of life in Europe. Background data was sourced from the Ecoinvent v3.9.1 database. No fair, poor or very poor data was found during the assessment of relevant data using EN 15804:2012+A2:2019 Annex E, E.2.

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3
Manufacturing of product	Collected data	EPD owner	2024	Primary data	4.4
Aluminium alloys	Collected data	Suppliers	2024	Primary data	89.6
Transport of materials to manufacturing site	Database	Ecoinvent 3.9.1	2024	Primary data	3.5
Other processes	Databases	Ecoinvent 3.9.1	2024	Secondary data	0%
Total share of primary data, of GWP-GHG results for A1-A3					97.4

Assumptions Use and End-of-Life scenario's

Transport to the building site (A4)

This stage includes transportation of products to the building site.

This module considers the transport of the system components from the production site to the application site, including the possibility of intermediate storage. In this module, weighted distances averaged according to the type of transport used and the destination of the product have been considered.

Installation into the project at the construction site (A5)

This stage includes energy consumption and used ancillary materials during installation, installation losses, and waste disposal of packaging materials. For this LCA study, only the packaging waste is considered in this module.

Use, maintenance, and repair (B1, B2, B3, B4, B5)

These stages include the use, maintenance, repair, replacement, and refurbishment of the product. These modules are not included in the scope of this EPD.

Operational energy use and operational water use (B6, B7)

These stages include operational energy use and operational water use. These modules are not included in the scope of this EPD.

Deconstructin/demolition (C1)

This stage includes the demolition and removal of the product. As the demolition and/or dismantling of the product is part of the demolition of the building itself, it is assumed that the environmental impact is extremely low and can therefore be neglected.

Transport to waste processing (C2)

This stage includes transportation of the demolished product to waste treatment facilities based on average transportation distances. See the assumptions on distance and transport mode in the table below.

Waste processing for resume, recovery and/or recycling (C3)

This stage includes the required waste processing for the product's region. See the assumptions on waste processing scenario's in the table below.

Disposal (C4)

This stage includes processes for components and waste that could not be recycled in module C3. See the assumptions on waste processing scenario's in the table below.

Reuse, recovery and/or recycling potential, expressed as net impacts and benefits (D)

See the assumptions on waste processing scenario's in the table below.

Applied End-of-Life scenarios for packaging & installation losses in A5, and product in C1, C2, C3, C4, D.

Material category	Landfill	Incineration	Recycling	Reuse	Recycling/ reuse quality factor	Secondary content
Aluminium	5%	0%	95%	0%	100%	33%
Paint	0%	0%	0%	0%	0%	0%

Cardboard	0%	100%	0%	0%	0%	0%
Film	0%	100%	0%	0%	0%	0%
Pallet	0%	100%	0%	0%	0%	0%
Plastic band	0%	100%	0%	0%	0%	0%
Rubber mat	0%	100%	0%	0%	0%	0%
Transport distance to waste processing facility by truck with empty return (km)	50	100	50	-	-	-

ENVIRONMENTAL PERFORMANCE

LCA results of the product(s) - main environmental performance results

Mandatory impact category indicators according to EN 15804, based on EF 3.1

Disclaimer: The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks. The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A3).

Results per functional or declared unit										
Indicator	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP-total	kg CO ₂ eq.	5.78E+00	9.53E-02	2.41E-02	ND	0.00E+00	7.44E-03	2.47E-02	7.58E-04	-4.15E+00
GWP-fossil	kg CO ₂ eq.	5.62E+00	9.52E-02	3.35E-03	ND	0.00E+00	7.43E-03	2.46E-02	7.56E-04	-4.03E+00
GWP-biogenic	kg CO ₂ eq.	1.53E-02	2.84E-05	2.08E-02	ND	0.00E+00	2.23E-06	6.69E-05	2.19E-06	-1.68E-02
GWP-luluc	kg CO ₂ eq.	1.43E-01	4.63E-05	1.73E-07	ND	0.00E+00	3.63E-06	3.61E-05	2.20E-07	-1.03E-01
ODP	kg CFC 11 eq.	1.53E-07	2.08E-09	4.36E-11	ND	0.00E+00	1.63E-10	3.91E-10	2.00E-11	-1.23E-07
AP	mol H ⁺ eq.	3.66E-02	3.13E-04	5.78E-06	ND	0.00E+00	3.47E-05	2.76E-04	4.92E-06	-2.22E-02
EP-freshwater	kg P eq.	3.43E-04	7.78E-07	6.54E-09	ND	0.00E+00	6.10E-08	1.12E-06	8.11E-09	-2.06E-04
EP-marine	kg N eq.	4.87E-03	1.06E-04	2.62E-06	ND	0.00E+00	1.37E-05	6.28E-05	2.00E-06	-2.81E-03
EP-terrestrial	mol N eq.	5.30E-02	1.13E-03	2.97E-05	ND	0.00E+00	1.47E-04	7.18E-04	2.21E-05	-3.00E-02
POCP	kg NMVOC eq.	2.12E-02	4.76E-04	7.85E-06	ND	0.00E+00	5.15E-05	2.15E-04	7.81E-06	-1.36E-02
ADP-minerals&metals*	kg Sb eq.	3.67E-05	2.93E-07	9.53E-10	ND	0.00E+00	2.31E-08	1.52E-06	3.35E-09	5.47E-05
ADP-fossil*	MJ	8.15E+01	1.37E+00	2.44E-03	ND	0.00E+00	1.07E-01	3.34E-01	1.58E-02	-6.19E+01
WDP*	m ³	8.81E-01	6.04E-03	1.03E-04	ND	0.00E+00	4.69E-04	4.05E-03	8.04E-05	2.18E-02
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption									

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.*

Additional mandatory and voluntary impact category indicators, based on EF 3.1

Results per functional or declared unit										
Indicator	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP-GHG ¹	kg CO ₂ eq.	5.89E+00	9.53E-02	2.41E-02	ND	0.00E+00	7.44E-03	2.47E-02	7.58E-04	-4.15E+00
Particulate matter	disease inc.	4.15E-07	8.26E-09	4.55E-11	ND	0.00E+00	7.29E-10	3.78E-09	1.09E-10	-3.04E-07
Ionising radiation	kBq U-235 eq	4.08E-01	7.04E-04	4.86E-06	ND	0.00E+00	5.55E-05	8.88E-04	5.66E-05	-3.76E-01
Ecotoxicity, freshwater	CTUe	3.24E+01	6.72E-01	1.61E-02	ND	0.00E+00	5.28E-02	2.62E-01	4.11E-01	-1.13E+01
Human toxicity, cancer	CTUh	1.52E-08	4.26E-11	5.20E-12	ND	0.00E+00	4.00E-12	3.76E-11	1.38E-12	-1.30E-08
Human toxicity, non-cancer	CTUh	1.53E-07	9.69E-10	1.82E-11	ND	0.00E+00	8.32E-11	1.69E-09	1.30E-11	-6.23E-08
Land Use	Pt	1.45E+01	1.06E+00	7.13E-04	ND	0.00E+00	8.06E-02	5.93E-01	3.14E-02	-9.44E-01

Resource use indicators

Results per functional or declared unit										
Indicator	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	MJ	2.88E+01	2.15E-02	1.77E-04	ND	0.00E+00	1.70E-03	5.18E-02	2.89E-03	-2.64E+01
PERM	MJ	2.08E-01	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	2.90E+01	2.15E-02	1.77E-04	ND	0.00E+00	1.70E-03	5.18E-02	2.89E-03	-2.64E+01
PENRE	MJ	8.58E+01	1.45E+00	2.62E-03	ND	0.00E+00	1.14E-01	3.54E-01	1.67E-02	-6.56E+01
PENRM	MJ	8.41E-01	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	8.66E+01	1.45E+00	2.62E-03	ND	0.00E+00	1.14E-01	3.54E-01	1.67E-02	-6.56E+01
SM	kg	3.14E-01	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

¹ This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO₂ is set to zero.

FW	m ³	1.99E-01	1.93E-04	9.31E-06	ND	0.00E+00	1.50E-05	1.57E-04	2.22E-05	-1.79E-01
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water									

Waste indicators

Results per functional or declared unit										
Indicator	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	1.13E-03	8.61E-06	1.19E-08	ND	0.00E+00	6.76E-07	1.85E-06	6.79E-08	1.53E-03
Non-hazardous waste disposed	kg	1.67E+00	8.94E-02	1.52E-04	ND	0.00E+00	6.78E-03	1.01E-02	5.07E-02	-1.25E+00
Radioactive waste disposed	kg	3.18E-04	4.56E-07	3.31E-09	ND	0.00E+00	3.61E-08	6.76E-07	3.07E-08	-3.03E-04

Output flow indicators

Results per functional or declared unit										
Indicator	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	9.50E-01	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	ND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Additional LCA results (other environmental performance results) of the product(s)

According to the PCR section 4.8.4, 100% scenarios are reflected below.

		100% recycling				100% landfill					
		C1	C2	C3	C4	D	C1	C2	C3	C4	D
Climate change - Total (EF v3.1)	GWP-total	0.00E+00	7.44E-03	2.60E-02	0.00E+00	-4.48E+00	0.00E+00	7.44E-03	0.00E+00	7.58E-04	2.19E+00
Climate change - Fossil	GWP-f	0.00E+00	7.43E-03	2.59E-02	0.00E+00	-4.35E+00	0.00E+00	7.43E-03	0.00E+00	7.56E-04	2.13E+00
Climate change - Biogenic	GWP-b	0.00E+00	2.23E-06	7.05E-05	0.00E+00	-1.82E-02	0.00E+00	2.23E-06	0.00E+00	2.19E-06	8.91E-03
Climate change - Land use and LU change	GWP-luluc	0.00E+00	3.63E-06	3.80E-05	0.00E+00	-1.11E-01	0.00E+00	3.63E-06	0.00E+00	2.20E-07	5.45E-02
Ozone depletion	ODP	0.00E+00	1.63E-10	4.12E-10	0.00E+00	-1.33E-07	0.00E+00	1.63E-10	0.00E+00	2.00E-11	6.51E-08
Acidification	AP	0.00E+00	3.47E-05	2.90E-04	0.00E+00	-2.40E-02	0.00E+00	3.47E-05	0.00E+00	4.92E-06	1.17E-02
Eutrophication, freshwater	EP-fw	0.00E+00	6.10E-08	1.18E-06	0.00E+00	-2.23E-04	0.00E+00	6.10E-08	0.00E+00	8.11E-09	1.09E-04
Eutrophication, marine	EP-m	0.00E+00	1.37E-05	6.61E-05	0.00E+00	-3.04E-03	0.00E+00	1.37E-05	0.00E+00	2.00E-06	1.49E-03
Eutrophication, terrestrial	EP-T	0.00E+00	1.47E-04	7.56E-04	0.00E+00	-3.24E-02	0.00E+00	1.47E-04	0.00E+00	2.21E-05	1.59E-02
Photochemical ozone formation	POCP	0.00E+00	5.15E-05	2.26E-04	0.00E+00	-1.47E-02	0.00E+00	5.15E-05	0.00E+00	7.81E-06	7.21E-03
Resource use, minerals and metals	ADP-mm	0.00E+00	2.31E-08	1.60E-06	0.00E+00	5.91E-05	0.00E+00	2.31E-08	0.00E+00	3.35E-09	-2.89E-05
Resource use, fossils	ADP-f	0.00E+00	1.07E-01	3.51E-01	0.00E+00	-6.69E+01	0.00E+00	1.07E-01	0.00E+00	1.58E-02	3.27E+01
Water use	WDP	0.00E+00	4.69E-04	4.27E-03	0.00E+00	2.36E-02	0.00E+00	4.69E-04	0.00E+00	8.04E-05	-1.15E-02
Climate change - Total (IPCC)	GWP-GHG	0.00E+00	7.44E-03	2.60E-02	0.00E+00	-4.48E+00	0.00E+00	7.44E-03	0.00E+00	7.58E-04	2.19E+00
Particulate matter	PM	0.00E+00	7.29E-10	3.98E-09	0.00E+00	-3.29E-07	0.00E+00	7.29E-10	0.00E+00	1.09E-10	1.61E-07
Ionising radiation	IR	0.00E+00	5.55E-05	9.35E-04	0.00E+00	-4.07E-01	0.00E+00	5.55E-05	0.00E+00	5.66E-05	1.99E-01
Ecotoxicity, freshwater	ETP-fw	0.00E+00	5.28E-02	2.76E-01	0.00E+00	-1.22E+01	0.00E+00	5.28E-02	0.00E+00	4.11E-01	5.95E+00
Human toxicity, cancer	HTP-c	0.00E+00	4.00E-12	3.95E-11	0.00E+00	-1.40E-08	0.00E+00	4.00E-12	0.00E+00	1.38E-12	6.86E-09
Human toxicity, non-cancer	HTP-nc	0.00E+00	8.32E-11	1.78E-09	0.00E+00	-6.73E-08	0.00E+00	8.32E-11	0.00E+00	1.30E-11	3.30E-08
Land use	SQP	0.00E+00	8.06E-02	6.24E-01	0.00E+00	-1.02E+00	0.00E+00	8.06E-02	0.00E+00	3.14E-02	4.99E-01

Additional LCA results (other environmental performance results) of the product

According to the PCR section 4.8.4, 100% scenarios are reflected below.

		100% recycling					100% landfill				
		C1	C2	C3	C4	D	C1	C2	C3	C4	D
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	MJ	0.00E+00	1.70E-03	5.45E-02	0.00E+00	-2.85E+01	0.00E+00	1.70E-03	0.00E+00	2.89E-03	1.40E+01
Use of renewable primary energy resources used as raw materials	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources	MJ	0.00E+00	1.70E-03	5.45E-02	0.00E+00	-2.85E+01	0.00E+00	1.70E-03	0.00E+00	2.89E-03	1.40E+01
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	MJ	0.00E+00	1.14E-01	3.73E-01	0.00E+00	-7.09E+01	0.00E+00	1.14E-01	0.00E+00	1.67E-02	3.47E+01
Use of non-renewable primary energy resources used as raw materials	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	MJ	0.00E+00	1.14E-01	3.73E-01	0.00E+00	-7.09E+01	0.00E+00	1.14E-01	0.00E+00	1.67E-02	3.47E+01
Use of secondary material	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of net fresh water	m3	0.00E+00	1.50E-05	1.65E-04	0.00E+00	-1.93E-01	0.00E+00	1.50E-05	0.00E+00	2.22E-05	9.47E-02
Hazardous waste disposed	kg	0.00E+00	6.76E-07	1.95E-06	0.00E+00	1.65E-03	0.00E+00	6.76E-07	0.00E+00	6.79E-08	-8.07E-04
Non-hazardous waste disposed	kg	0.00E+00	6.78E-03	1.06E-02	0.00E+00	-1.35E+00	0.00E+00	6.78E-03	0.00E+00	5.07E-02	6.59E-01
Radioactive waste disposed	kg	0.00E+00	3.61E-08	7.12E-07	0.00E+00	-3.27E-04	0.00E+00	3.61E-08	0.00E+00	3.07E-08	1.60E-04
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy thermic	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electric	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Variation of products

The variation of each impact indicator result are shown in the table below. The difference between the highest and lowest result compared to the weighted average can be explained by the different types of aluminium alloys used in the products and their different recycled content, as well as different process allocation for each product.

Indicator	Min	Representative (weighted average)	Max	Min (%)	Max (%)
EF 31 Climate change	1.10E+01	1.17E+01	1.47E+01	-6.0	25.6
EF 31 Climate change - Fossil	1.07E+01	1.14E+01	1.43E+01	-6.1	25.4
EF 31 Climate change - Biogenic	4.21E-02	5.14E-02	1.05E-01	-18.1	104.3
EF 31 Climate change - Land use and LU change	2.56E-01	2.86E-01	3.62E-01	-10.5	26.6
EF 31 Ozone depletion	2.75E-07	3.08E-07	4.01E-07	-10.7	30.2
EF 31 Acidification	6.92E-02	7.38E-02	9.22E-02	-6.2	24.9
EF 31 Eutrophication, freshwater	6.52E-04	6.87E-04	7.61E-04	-5.1	10.8
EF 31 Eutrophication, marine	9.45E-03	9.93E-03	1.18E-02	-4.8	18.8
EF 31 Eutrophication, terrestrial	1.02E-01	1.08E-01	1.30E-01	-5.6	20.4
EF 31 Photochemical ozone formation	4.05E-02	4.31E-02	5.29E-02	-6.0	22.7
EF 31 Resource use, minerals and metals	4.06E-05	7.53E-05	8.98E-05	-46.1	19.3
EF 31 Resource use, fossils	1.50E+02	1.65E+02	2.11E+02	-9.1	27.9
EF 31 Water use	1.53E+00	1.77E+00	2.36E+00	-13.6	33.3
EF 31 Particulate matter	7.89E-07	8.44E-07	1.07E-06	-6.5	26.8
EF 31 Ionising radiation	7.10E-01	8.19E-01	1.09E+00	-13.3	33.1
EF 31 Ecotoxicity, freshwater	6.55E+01	6.63E+01	6.83E+01	-1.2	3.0
EF 31 Human toxicity, cancer	2.72E-08	3.05E-08	4.01E-08	-10.8	31.5
EF 31 Human toxicity, non-cancer	2.85E-07	3.08E-07	3.87E-07	-7.5	25.6
EF 31 Land use	2.83E+01	3.07E+01	3.45E+01	-7.8	12.4

ADDITIONAL ENVIRONMENTAL INFORMATION

Besides the information provided in this EPD, Euramax Coated Products provides its customers with up-to-date information regarding the Product Carbon Footprint (PCF) conforming to IPCC AR6 and based on ISO 14067 for the products purchased at Euramax. The Product Carbon Footprint of an order is stated on every invoice sent out by Euramax and is based on data that is updated on an annual basis.

By the end of 2024, Guarantees of Origin were purchased to cover the electricity used from 2025 onward. From the end of 2024 onwards, a mixture of green electricity sources has been implemented in the production of Euramax Coated Products in combination with the residual electricity mix of the Netherlands. From the start of 2025 onwards, the residual electricity mix of the Netherlands has been replaced by wind electricity. The Guarantee of Origin are available for both electricity sources. For

further information on specific alloys and their secondary content ratios, contact Euramax. Learn more at <https://www.euramaxcladding.com/why-aluminium>.

This EPD is representative of all alloy types and primary/secondary aluminium ratios offered by Euramax. If a customer is interested in the specific environmental impact of a particular product type, Euramax can provide the verified LCA data for that product in the form of an Environmental Profile from the Helix database.

This EPD has been independently reviewed by SGS ICS Italia S.r.l., accredited under Accreditation No. 02242. In accordance with their accreditation requirements, SGS conducted a comprehensive verification process including a site visit to the manufacturing facility and detailed checks of supplier documentation, such as official declarations of pre-consumer and post-consumer recycled content.

ABBREVIATIONS

Abbreviation	Definition
General Abbreviations	
CEN	European Committee for Standardization
CLC	Co-location centre
CPC	Central product classification
EF	Environmental Footprint
EN	European Norm (Standard)
GHS	Globally harmonized system of classification and labelling of chemicals
GPI	General Programme Instructions
GRI	Global Reporting Initiative
ISO	International Organization for Standardization
ND	Not Declared
PCF	Product Carbon Footprint
PCR	Product Category Rules
SVHC	Substances of Very High Concern

REFERENCES

General Programme Instructions of the International EPD® System. Version 5.0.1

ISO 14040: Environmental management - Life cycle assessment – Principles and Framework, International Organization for Standardization, ISO14040:2006.

ISO 14044: Environmental management - Life cycle assessment - Requirements and guidelines, International Organization for Standardization, ISO14044:2006.

ISO 14025: Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures, International Organization for Standardization, ISO14025:2006.

European Committee for Standardization, EN 15804+A2:2019/AC:2021 Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products

EPD International: PCR 2019:14 Construction products (EN 15804+A2) (version 2.0.1)
LCA Software, web: <http://app.Ecochain.com>.

VERSION HISTORY

Original Version of the EPD, 2025-12-01

