

Environmental Product Declaration



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

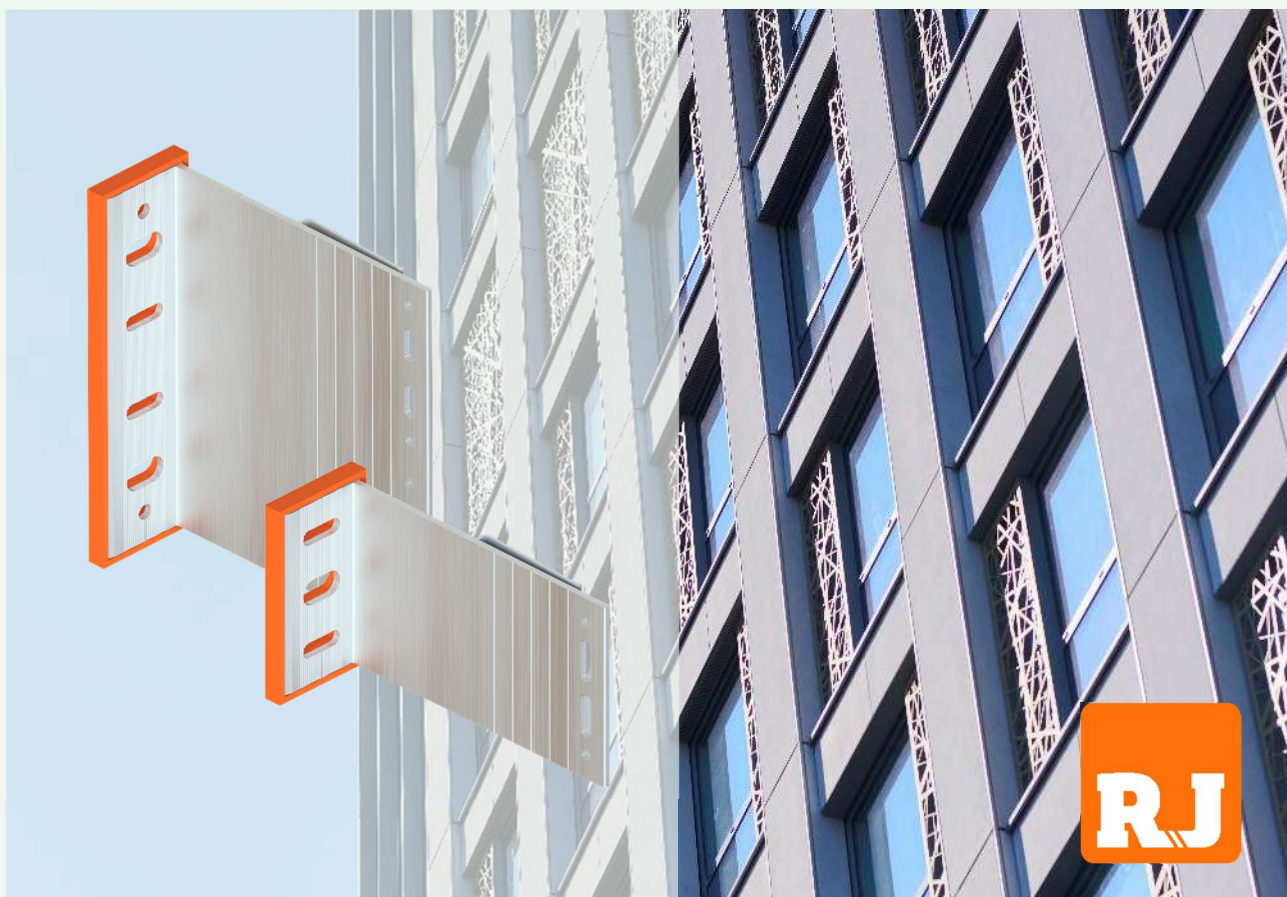
EVT II Aluminium L Brackets

from

RJ Facades Systems Ltd

EPD for multiple products based on representative product

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	EPD-IES-0024075
Publication date:	2025-06-13
Valid until:	2030-06-12



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:	info@environdec.com

Accountabilities for PCR, LCA and independent, third-party verification
Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): Product Category Rules (PCR): PCR 2019:14 Construction products, version 1.3.4., Construction EN 15804:2012+A2:2019/AC:2021 Sustainability of Construction Works.
PCR review was conducted by: Technical Committee of the International EPD® System. Review chair: Claudia A. Peña, University of Concepción, Chile. The review panel may be contacted via the Secretariat www.environdec.com/contact .
Life Cycle Assessment (LCA)
LCA accountability: Stephen Forson, ViridisPride Ltd, s.forson@viridispride.com
Third-party verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:
<input type="checkbox"/> EPD verification by individual verifier
Third-party verifier: Vijay Thakur
Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same 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 equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

RJ Facade Systems design and supply support systems for all the facade materials partnering with architects, designers and contractors. We have designed, manufactured and supplied support systems for all the facade materials used in ventilated facades, partnered with the market leading facade contractors, and worked on award winning projects.

RJ aluminium systems, designed, engineered & manufactured in UK where we single source all our aluminium extrusions from Hydro UK. High performing facade substructure products exclusively made in the UK from Hydro low carbon 4.0 aluminium in 6060T6 grade, from where we fabricate and warehouse locally for delivery to your project. RJ's goal is to provide the construction industry with the lowest carbon aluminium systems available in the UK.

Hydro 4.0 aluminium is high performance 6063T6 aluminium made from 44% recycled, post-consumer scrap. Pushing the boundaries for high-quality recycled, Hydro Recycled Low-Carbon Aluminium 4.0 program is Hydro's brand of recycled aluminium made with 44% recycled, post-consumer aluminium scrap. Using recycled aluminium, drastically reduces energy use in the production phase whilst still offering high-quality aluminium. Using recycled aluminium in the production process means that only 5% of the energy is used compared to primary Aluminium. This energy usually contributes to CO₂ levels in the atmosphere, so by reducing the amount of energy required to create the material, we're proactively doing our bit to reduce climate change.

RJ were the first UK manufacturer and suppliers of facade systems to successfully complete the UKAS accredited, NHBC accepted UL certification, formerly Winmark by Wintech. The approval covers all elements of the facade system, including elements such as material specification, facade design to relevant Eurocode, and traceability through the RJ manufacturers and relevant supply chain.

Our mission is to support all projects from the initial facade calculation in the design office, through to supporting the site team with on site training. Support services include; structural facade calculations, wind load calculations, thermal calculations, CAD support, site testing, site training & CPD seminars.

All calculations provided by RJ are designed to the relevant Eurocode, available with PI Cover. Calculations are often prepared for submission to the project Engineering consultancy, or where required we partner with Engineering practices. RJ final calculations are supported with a £5M PI cover.

Product information

Product name EVT II Aluminium L Brackets

Product identification UKAS certification number R40530-1



Product description Sample for EPD purposes analyses EVT II L Bracket AL 80 x 180mm Aluminium.

The brackets are designed into a ventilated facade system. Aluminium brackets for rainscreen are designed in accordance with BS EN 1090-3:2008 and / or Euro code 9 – Part 1.

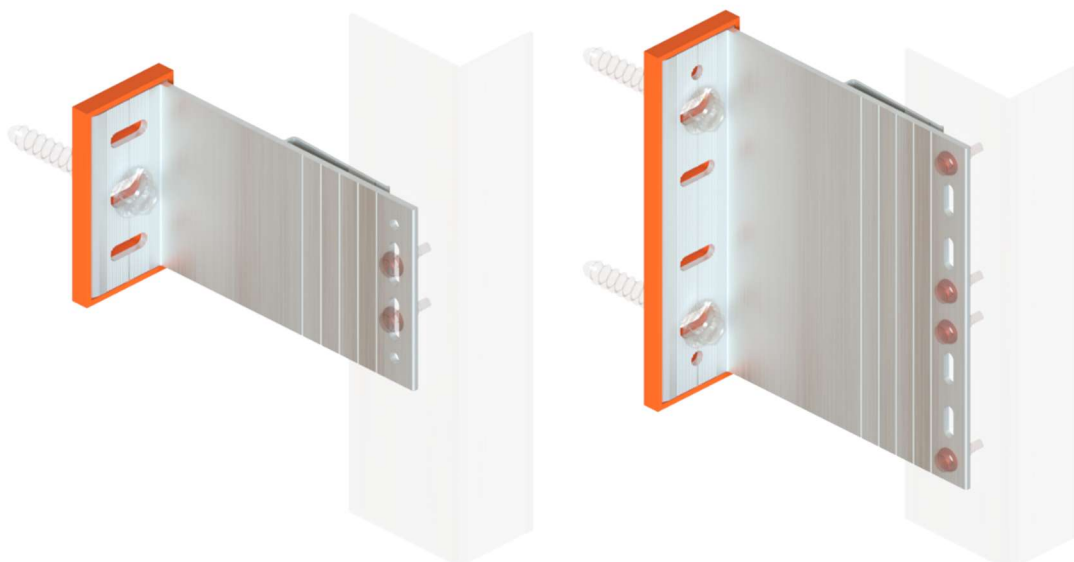
Typical bracket configuration uses the Fixed-Point bracket at the highest position on the vertical rail to support the façade vertical dead loads. The Sliding Point bracket is typically used on all other positions of the vertical rail to absorb the project wind loading.

The brackets base has fixing slots suitable for concrete, steel and timber, it also includes slots and holes for Fixed- and Sliding-Point brackets.

Brackets are available with thermal pad options to improve overall thermal performance.

UN CPC code 41532 Bars, rods and profiles, of aluminium

Geographical scope The manufacturing is in United Kingdom (A1- A3, A4, A5, C1-C4 and D)



Technical Specification

The technical specifications for this product based on BS EN 10903:2008 and Euro code 3 – Part 1.
Sample for EPD purposes analyses EVT II L Bracket AL 80 x 180mm Aluminium.

Code	Description	Design Resistance (kN)	
		Vertical	Horizontal
130170	EVT II L Bracket Thermal AL - 80 x 40mm	5.06	2.75
130171	EVT II L Bracket Thermal AL - 80 x 60mm	3.53	2.75
130172	EVT II L Bracket Thermal AL - 80 x 80mm	1.87	1.95
130173	EVT II L Bracket Thermal AL - 80 x 100mm	1.69	2.04
130174	EVT II L Bracket Thermal AL - 80 x 120mm	1.28	2.09
130175	EVT II L Bracket Thermal AL - 80 x 140mm	1.06	2.04
130176	EVT II L Bracket Thermal AL - 80 x 160mm	0.96	1.95
130177	EVT II L Bracket Thermal AL - 80 x 180mm	1.18	2.00
130178	EVT II L Bracket Thermal AL - 80 x 200mm	1.07	2.00
130179	EVT II L Bracket Thermal AL - 80 x 220mm	0.85	2.00
130180	EVT II L Bracket Thermal AL - 80 x 240mm	0.88	1.95
130181	EVT II L Bracket Thermal AL - 80 x 260mm	0.81	2.00
130182	EVT II L Bracket Thermal AL - 80 x 280mm	0.66	2.01
130183	EVT II L Bracket Thermal AL - 80 x 300mm	0.68	1.94
130184	EVT II L Bracket Thermal AL - 80 x 320mm	0.64	1.94
130185	EVT II L Bracket Thermal AL - 160 x 40mm	10.12	6.00
130186	EVT II L Bracket Thermal AL - 160 x 60mm	9.57	4.54
130187	EVT II L Bracket Thermal AL - 160 x 80mm	6.70	3.77
130188	EVT II L Bracket Thermal AL - 160 x 100mm	4.91	3.77
130189	EVT II L Bracket Thermal AL - 160 x 120mm	4.12	3.77
130190	EVT II L Bracket Thermal AL - 160 x 140mm	3.46	3.77
130191	EVT II L Bracket Thermal AL - 160 x 160mm	3.00	3.77
130192	EVT II L Bracket Thermal AL - 160 x 180mm	2.75	3.81
130193	EVT II L Bracket Thermal AL - 160 x 200mm	2.59	3.81
130194	EVT II L Bracket Thermal AL - 160 x 220mm	2.39	4.02
130195	EVT II L Bracket Thermal AL - 160 x 240mm	2.06	3.81
130196	EVT II L Bracket Thermal AL - 160 x 260mm	1.99	3.81
130197	EVT II L Bracket Thermal AL - 160 x 280mm	1.75	3.81
130198	EVT II L Bracket Thermal AL - 160 x 300mm	1.62	3.81
130199	EVT II L Bracket Thermal AL - 160 x 320mm	1.42	3.81



System Boundaries & Description

A1 Raw Materials Supply

The raw material stage (A1) involves the extraction, processing, and transportation of the primary materials used in the production of bracket. The primary materials used are aluminium, thermal pad, and packaging materials.

A2 Transportation

The transportation stage (A2) covers the movement of raw materials from their extraction or production sites to the manufacturing facility. This includes the transportation of the raw materials. The environmental impact of this stage is influenced by the mode of transportation used (e.g., truck, sea), the distance travelled, and the fuel efficiency of the transport vehicles.

Transportation Mode	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro6
	Fuel Type: Diesel

Table 2: Transportation Information

A3 Manufacturing

At RJ facade fabrication site, the manufacturing process starts with mechanical cutting, hole punching and attachment of thermal pad to the brackets before they are packed for delivery to RJ facade warehouse

Electricity Information	Description
Geographical representativeness description	Energy split for GB
	Coal 1.17%
	Oil 1.17%
	Hydro 1.89.5%
	Biomass 10.90%
	Solar PV 5.06%
	Wind 30.01%
	Nuclear 13.55%
	Gas 35.08%
	Oil 0.79%
	Unspecified 1.54%
Type of dataset	Cradle to gate, Ecoinvent
Source	AIB (Association of Issuing Bodies) 2023
CO2 emission kg CO2 eq./kWh	0.435

Table 3: Source of Electricity

A4 Transportation

The finished products from RJ fabrication site are sent to RJ facade distribution warehouse before distributed locally. See below for more information. The impacts for transportation were modelled based on the share of impacts from both local and exported products using a distance-based allocation method for all products.

Transportation Mode	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro5
	Fuel Type: Diesel
Distance/km	737km
Capacity Utilisation %	61% Dataset default value

Table 4: Distribution Information

A5 Packaging Disposal

The construction phase includes the disposal of the packaging materials and Installation of the products. This account for 100% landfill of packaging materials. The average energy required during installation is 1.4Wh. C1 Deconstruction

This stage includes the deconstruction of the products using a battery powered drill at 1.4Wh. C2 Transportation:

This represents the transportation of the product to waste processing and disposal site. The assumption used for this stage is 50km.

Transportation Mode (Disposal)	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro6
	Fuel Type: Diesel
Distance	50km
Mass of packaging (kg)	1.77E-02 kg
Disposal Route	100% Landfill

Table 5: End-of-Life Packaging Table 6: Transportation Information Table 7: End of Life of Product

C1 Deconstruction

This stage includes the deconstruction of the products using a battery powered drill at 1.4Wh.

C2 Transportation

This represents the transportation of the product to waste processing and disposal site. The assumption used for this stage is 50km.

Transportation Mode	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro6
	Fuel Type: Diesel

Table 6: Transportation Information

C3 Waste Processing

This represents the scenario for treatment of the aluminium and thermal pads. For the thermal pads, 100% incineration has been chosen for the plastics. And for the aluminium, a collection rate of 96% has been assumed with 95% of collected products recycled and 5% lost.

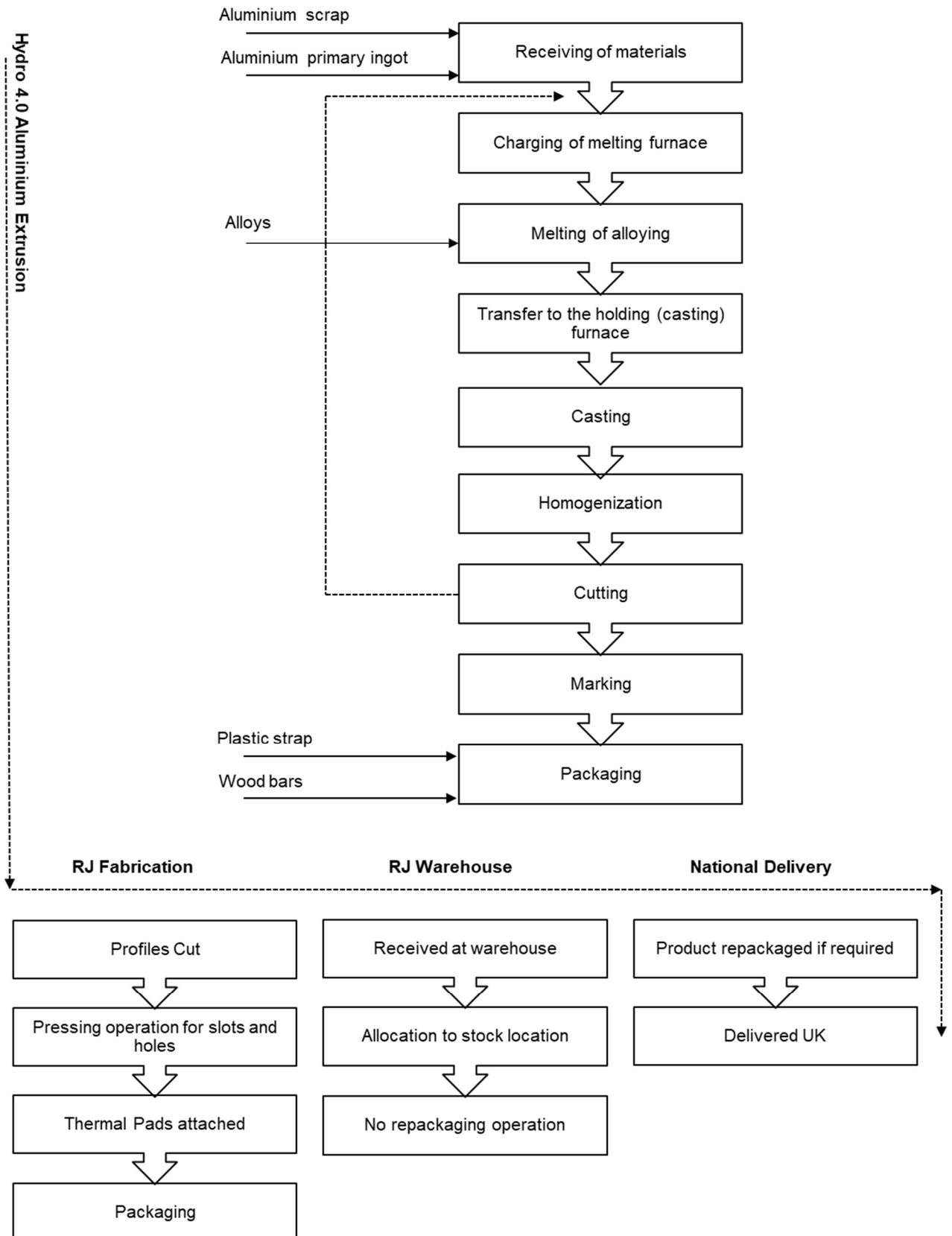
Transportation Mode (Disposal)	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro6
	Fuel Type: Diesel
Distance	50km
Mass of product (kg)	1.58E-01kg (Aluminium)
Disposal Route	Recycling

Table 7: End of Life of Product

D Benefit and Load

The benefits of the recycling of aluminium is accounted for in module D

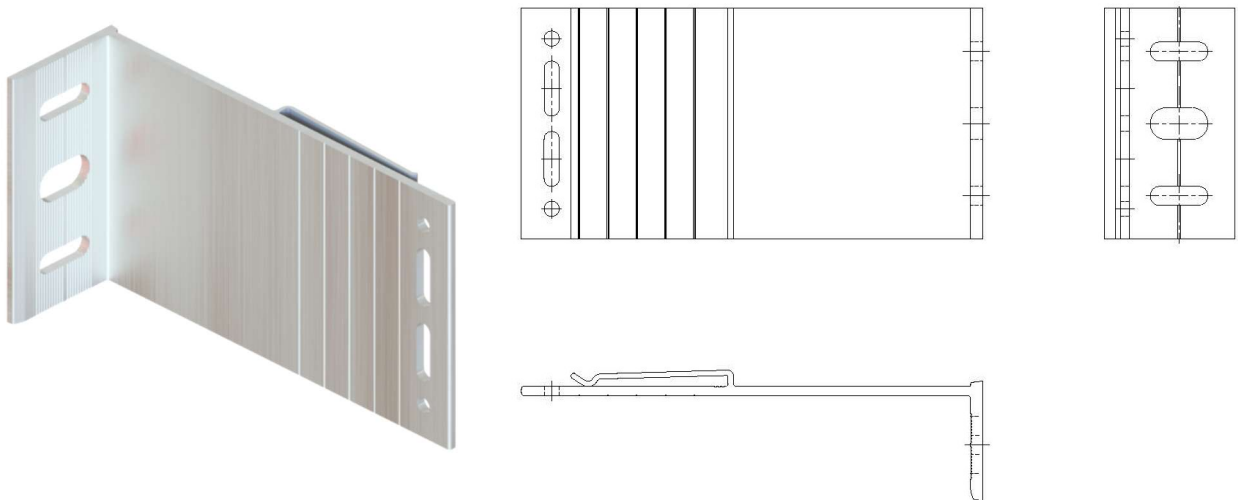
System Boundaries & Description



LCA information

Functional unit / declared unit	1 pcs of EVT II L Bracket AL 80 x 180mm Aluminium (0.174kg)
Reference service life	Expected 60 years
Time representativeness	2024-01-01 to 2024-12-31
Database(s) and LCA software used	Ecoinvent 3.10, 2023 and SimaPro 9.6.1, with characterisation factor of EN 15804+A2 reference package based on EF 3.1 utilised
Description of system boundaries	Cradle to gate (A1-A3) with optional modules (A4 and A5) and C1-C4 and module D

System diagram



EVT II L Bracket AL 80 x 180mm Aluminium

Allocation

All data were from raw material; energy consumption and transportation were weighted according to 2024 production figures.

Cut-off Criteria

1% cut-off was applied in the background LCA report. Flows contributing to a minimum of 99% of the declared environmental impacts are included.

REACH Regulations

No substances included in the Candidate List of Substances of Very High Concern for authorisation under the REACH regulations are present in this product either above the threshold for registration with the European Chemicals Agency or above 0.1% (wt/wt).

Background information

For this study impacts of infrastructure and capital goods are excluded from the life cycle stages.

Product Composition

EVT II L Bracket A2 80 x 180mm Aluminium are packaged and sent to customers. See table below:

Product Composition	Mass, Kg	Post-consumer recycled material, weight %	Biogenic Carbon, kg/c
Aluminium	0.174	44%	0.00E+00
Thermal Pad	2.18E-03	0%	0.00E+00

Packaging Composition	Mass, Kg	Post-consumer recycled material, weight %	Biogenic Carbon, kg/c
Cardboard Box	1.80E-03	0%	8.10E-04
Parcel Tape	1.55E-06	0%	0.00E+00
Euro Pallet	1.59E-02	0%	7.49E-03
Shrink Wrap	7.51E-06	0%	0.00E+00

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

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	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	UK	UK	UK	UK	UK	-	-	-	-	-	-	-	UK	UK	UK	UK	UK
Specific data used	>90%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	<10%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%					-	-	-	-	-	-	-	-	-	-	-	-

Description of the system boundary (X = Included in LCA, ND=Not Declared)

Results of the environmental performance indicators

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 declared in A1-A5 should not be used without considering the results in module C.

Mandatory impact category indicators according to EN 15804

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	1.09E+00	1.55E-02	8.97E-04	6.10E-04	1.00E-03	9.07E-04	0.00E+00	-3.41E-03
GWP-biogenic	kg CO ₂ eq.	-3.04E-02	6.40E-07	4.27E-02	1.15E-08	5.37E-07	1.28E-03	0.00E+00	-3.29E-04
GWP-luluc	kg CO ₂ eq.	3.25E-03	6.24E-06	2.52E-07	4.05E-08	3.56E-07	1.18E-08	0.00E+00	-2.80E-05
GWP- total	kg CO ₂ eq.	1.06E+00	1.55E-02	4.36E-02	6.10E-04	1.00E-03	2.19E-03	0.00E+00	-3.76E-03
ODP	kg CFC 11 eq.	4.07E-08	2.71E-10	6.04E-12	3.11E-11	2.09E-11	1.08E-12	0.00E+00	-1.07E-10
AP	mol H ⁺ eq.	7.64E-03	3.92E-05	3.02E-06	1.27E-06	2.37E-06	4.85E-07	0.00E+00	5.68E-04
EP-freshwater	kg P eq.	9.02E-05	1.44E-07	2.34E-07	4.03E-09	8.10E-09	7.78E-10	0.00E+00	2.04E-06
EP-marine	kg N eq.	9.51E-04	9.71E-06	1.62E-05	3.19E-07	6.08E-07	2.28E-07	0.00E+00	1.10E-05
EP-terrestrial	mol N eq.	1.03E-02	1.08E-04	9.40E-06	3.44E-06	6.72E-06	2.34E-06	0.00E+00	2.06E-04
POCP	kg NMVOC eq.	3.06E-03	5.85E-05	5.94E-06	1.15E-06	4.11E-06	6.11E-07	0.00E+00	6.61E-05
ADP-minerals& metals*	kg Sb eq.	5.40E-07	4.28E-08	6.22E-10	8.29E-10	2.80E-09	1.01E-10	0.00E+00	1.41E-06
ADP-fossil*	MJ	1.24E+01	2.38E-01	5.69E-03	1.40E-02	1.51E-02	5.46E-04	0.00E+00	-4.65E-03
WDP*	m ³	3.84E-01	1.16E-03	0.00E+00	1.43E-05	7.17E-05	1.29E-05	0.00E+00	-3.19E-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 of these results are high or as there is limited experience with the indicator.

Additional mandatory and voluntary impact category indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-GHG*	kg CO ₂ eq.	1.09E+00	1.55E-02	8.97E-04	6.10E-04	1.00E-03	9.07E-04	0.00E+00	-3.43E-03

*GWP-GHG = Global Warming Potential total excluding biogenic carbon. GWP-GHG indicator is similar to GWP-Total except that the characterisation factor (CF) for biogenic CO₂ is set to zero.

Additional environmental indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PM	Disease inc	1.05E-09	1.46E-09	4.00E-11	4.46E-12	9.74E-11	4.08E-12	0.00E+00	-1.40E-09
IR ¹	kBq U-235 eg	7.60E-03	2.85E-04	5.37E-06	2.02E-04	6.64E-06	4.53E-07	0.00E+00	-5.04E-04
ETP-FW ¹	CTUe	3.84E-02	1.56E-02	292E-03	2.87E-04	7.66E-04	4.45E-05	0.00E+00	-1.28E+00
HTP-c ²	CTUh	1.75E-10	7.71E-11	1.83E-12	6.95E-13	6.42E-12	4.90E-13	0.00E+00	2.96E-10
HTP-nc ²	CTUh	1.69E-10	1.36E-10	6.78E-11	1.41E-12	9.07E-12	1.01E-11	0.00E+00	4.91E-09
SQP ²	Pt	2.44E+00	2.25E-01	1.06E-02	6.42E-04	1.51E-02	2.95E-04	0.00E+00	1.72E-01

Disclaimer:

1. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

2. 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 experience with the indicator.

Resource use indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	MJ	7.52E+00	2.99E-03	1.72E-04	1.53E-04	2.32E-04	1.76E-05	0.00E+00	2.10E-02
PERM	MJ	5.35E+00	0.00E+00	5.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	1.29E+01	2.99E-03	-5.35E+00	1.53E-04	2.32E-04	1.76E-05	0.00E+00	2.10E-02
PENRE	MJ	1.23E+01	2.38E-01	5.69E-03	1.40E-02	1.51E-02	5.46E-04	0.00E+00	-4.66E-03
PENRM	MJ	7.16E-02	0.00E+00	-7.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	1.24E+01	2.38E-01	-6.59E-02	1.40E-02	1.51E-02	5.46E-04	0.00E+00	-4.66E-03
SM	kg	7.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-01	0.00E+00	0.00E+00
RSF	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
NRSF	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
FW	m ³	4.67E-02	3.60E-05	0.00E+00	2.12E-06	2.25E-06	1.85E-06	0.00E+00	-7.77E-04
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	C1	C2	C3	C4	D
Hazardous waste disposed	kg	5.55E-06	1.55E-06	3.54E-08	4.14E-08	9.89E-08	5.72E-09	0.00E+00	-1.11E-04
Non-hazardous waste disposed	kg	1.99E-01	1.90E-02	1.78E-02	6.38E-06	1.29E-03	3.97E-05	1.53E-02	-3.50E-04
Radioactive waste disposed	kg	3.15E-04	1.32E-07	3.44E-09	8.17E-08	4.52E-09	3.39E-10	0.00E+00	-3.08E-07

Output flow indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
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
Material for recycling	kg	9.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-01	0.00E+00	0.00E+00
Materials for energy recovery	kg	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	5.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00
Exported energy, thermal	MJ	9.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-03	0.00E+00	0.00E+00

Additional environmental information

Conversion

The impacts for the product can be calculated by upscaling the impact of the representative product to 1kg then multiply by the weight of products below.

$$\text{Conversion factor} = \frac{1}{0.174} = 5.747,$$

therefore *impact of representative product* $\times 5.747 = \text{impacts for 1kg}$

Product List

The impacts for the product can be calculated by upscaling the impact of the representative product to 1kg then multiply by the weight of products below.

Description	Code	Weight Each [Kg]
EVT II L Bracket Thermal AL - 80 x 40mm	130170	0.066
EVT II L Bracket Thermal AL - 80 x 60mm	130171	0.086
EVT II L Bracket Thermal AL - 80 x 80mm	130172	0.108
EVT II L Bracket Thermal AL - 80 x 100mm	130173	0.121
EVT II L Bracket Thermal AL - 80 x 120mm	130174	0.134
EVT II L Bracket Thermal AL - 80 x 140mm	130175	0.147
EVT II L Bracket Thermal AL - 80 x 160mm	130176	0.160
EVT II L Bracket Thermal AL - 80 x 180mm	130177	0.174
EVT II L Bracket Thermal AL - 80 x 200mm	130178	0.187
EVT II L Bracket Thermal AL - 80 x 220mm	130179	0.219
EVT II L Bracket Thermal AL - 80 x 240mm	130180	0.234
EVT II L Bracket Thermal AL - 80 x 260mm	130181	0.249
EVT II L Bracket Thermal AL - 80 x 280mm	130182	0.288
EVT II L Bracket Thermal AL - 80 x 300mm	130183	0.305
EVT II L Bracket Thermal AL - 80 x 320mm	130184	0.322
EVT II L Bracket Thermal AL - 160 x 40mm	130185	0.132
EVT II L Bracket Thermal AL - 160 x 60mm	130186	0.172
EVT II L Bracket Thermal AL - 160 x 80mm	130187	0.216
EVT II L Bracket Thermal AL - 160 x 100mm	130188	0.242
EVT II L Bracket Thermal AL - 160 x 120mm	130189	0.268
EVT II L Bracket Thermal AL - 160 x 140mm	130190	0.294
EVT II L Bracket Thermal AL - 160 x 160mm	130191	0.320
EVT II L Bracket Thermal AL - 160 x 180mm	130192	0.348
EVT II L Bracket Thermal AL - 160 x 200mm	130193	0.374
EVT II L Bracket Thermal AL - 160 x 220mm	130194	0.438
EVT II L Bracket Thermal AL - 160 x 240mm	130195	0.468
EVT II L Bracket Thermal AL - 160 x 260mm	130196	0.498
EVT II L Bracket Thermal AL - 160 x 280mm	130197	0.576
EVT II L Bracket Thermal AL - 160 x 300mm	130198	0.610
EVT II L Bracket Thermal AL - 160 x 320mm	130199	0.643

References

General Programme Instructions of the International EPD® System. Version 4.0.

EN 15804

EN 15804:2012+A2:2019 Sustainability of construction works —
Environmental Product Declarations — Core rules for the product category of construction products.

PCR 2019:14 Version 1.3.4

PCR 2019:14, Construction Products, version 1.3.4. www.environdec.com.

ISO 14044

ISO 14044:2006, Environmental management — Life cycle assessment

ISO 14040

ISO 14040:2006, Environmental management — Life cycle assessment — Principles and framework.

AIB

AIB (Association of Issuing Bodies), 2023

ISO 14025

EN ISO 14025:2011-10: Environmental labels and declarations — Type III environmental declarations
— Principles and procedures

GPI

EPD International. (2021). General Programme Instructions for the International EPD® System.
Version 4.0.

Ecoinvent

Ecoinvent dataset, developed by the Swiss Centre for Life Cycle inventories, Technoparkstrasse
1,8005 Zurich, Switzerland <https://ecoinvent.org/>, Version 3.10, 2023

Sea Distance Calculator

<https://sea-distances.org>

Contact information

Owner of Declaration	 <p>RJ Facade Systems Ltd Bathgate, United Kingdom Tel: +44 1483 898125 www.rjfacades.com info@rjfacades.com</p>
Programme and Programme Operator	 <p>INTERNATIONAL EPD SYSTEM</p> <p>EPD International AB Box 210 60 SE-100 31 Stockholm, Sweden www.environdec.com info@environdec.com</p>
LCA practitioner	 <p>ViridisPride Ltd London, United Kingdom EC1V 2NX hello@viridispride.com www.viridispride.com</p>

