Environmental Product Declaration

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

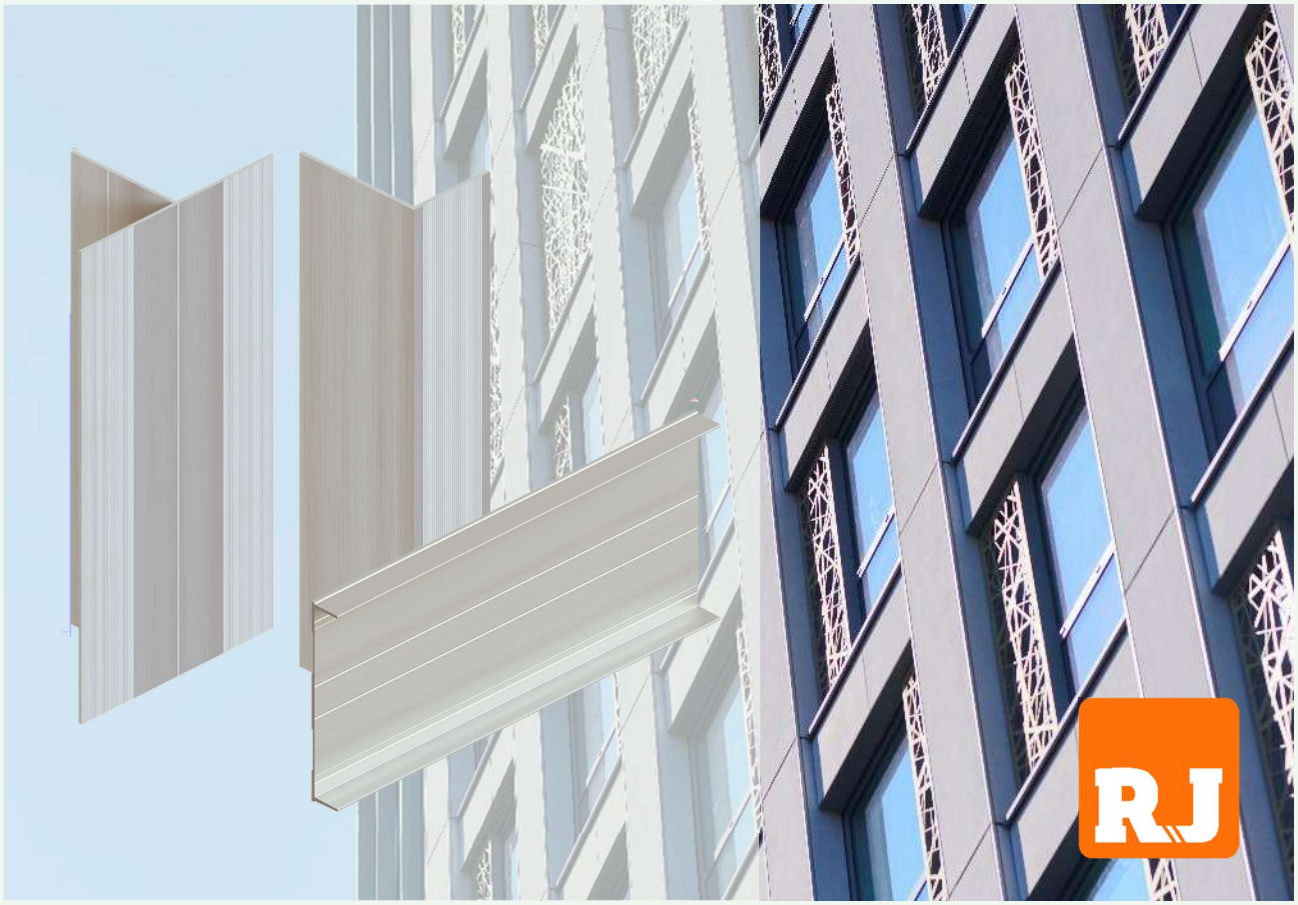
EVT II Aluminium System profiles

from

RJ Facades Systems Ltd

EPD for multiple products based on representative product. This serves as a trader EPD.

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	EPD-IES-0024072
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: ☐ 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: ☐ Yes ☒ 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.

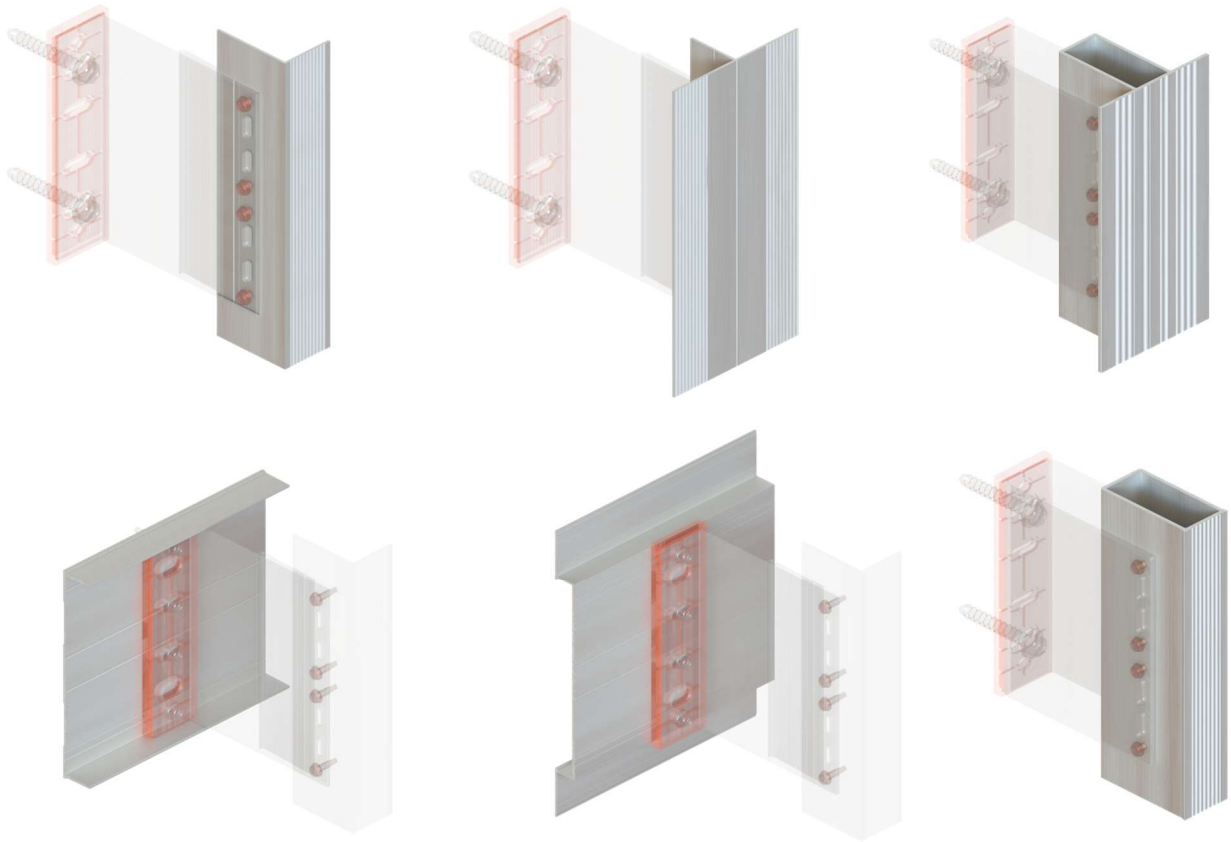
RJ were the first UK manufacturer and suppliers of facade systems to successfully complete the UKAS accredited, NHBC accepted UL certification, formerly Winmark by Wintech. The approval covers all elements of the facade system, including elements such as material specification, facade design to relevant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

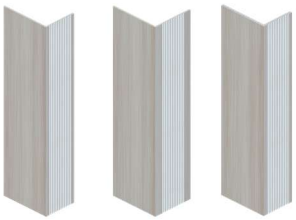
Product name	EVT II System Aluminium Profiles
Product identification	UKAS certification number R40530-1
Product description	Sample for EPD purposes analyses EVT II L Profile 60x40x2mm Where the façade panels are joined together, the T/L rail provides the correct dimensions for most types of façade systems, relating to surface area in contact with the panel, and movement joint between the abutting panels. Depending on the system type and application additional horizontal profiles might be added to T and L geometry, on order to fulfil the project requirements.
UN CPC code	41532 Bars, rods and profiles, of aluminium
Geographical scope	Manufacturing is in United Kingdom (A1- A3, A4, A5, C1-C4 and D)



Technical Specification

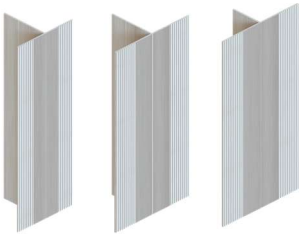
The technical specifications for this product based on BS EN 10903:2008 and Euro code 3 – Part 1.
The L profile 60x40x2mm is used as a representative sample from the below range of similar products.

L Profiles



553167	L-Profile - 60 x 40 x 2mm (3.0m Length)
553198	L-Profile - 60 x 50 x 2mm (3.0m Length)
553358	L-Profile - 60 x 40 x 3mm (3.0m Length)

T Profiles



553169	T-Profile - 80 x 60 x 2mm (3.0m Length)
553171	T-Profile - 110 x 60 x 2mm (3.0m Length)
553195	T-Profile - 120 x 60 x 2mm (3.0m Length)
519055	T-Profile - 110 x 40 x 2mm (3.0m Length)
519058	T-Profile - 80 x 60 x 3mm (3.0m Length)

Structural Tophat / C-Channel Profiles

558327	Hat Profile FPH - 234 x 20 x 2/3mm (3.0m Length)
558328	Hat Profile SPH - 126 x 20 x 2/3mm (3.0m Length)
553902	C-Profile FPH - 176 x 27 x 2/3mm (3.0m Length)
553703	C-Profile SPH - 100 x 27 x 2/3mm (3.0m Length)

Floor Spanning Vertical Profiles

554310	Floorspan Profile – 40/38 x 60 x 2/3mm (3.0m Length)
554312	Floorspan T Profile – 110/38 x 60 x 2/3mm (3.0m Length)
554314	Floorspan Profile – 40/38 x 80 x 3mm (3.0m Length)
554319	Floorspan T Profile – 110/38 x 80 x 2/3mm (3.0m Length)
554316	Floorspan Profile – 40/38 x 100 x 3mm (3.0m Length)
554321	Floorspan T Profile – 110/38 x 100 x 2/3mm (3.0m Length)

Note to use with EVT II U brackets only.

Tophats / Z Profiles for facade panels

558621	Hat Profile - 94 x 25 x 2mm (3.0m Length)
553202	Z-Profile - 45 x 25 x 30 x 2mm (3.0m Length)

SF1 & SF2 Secret fix system for undercut anchor systems

Horizontal SF rail for all SF1 and SF2 Panel Clasps (Hanger Brackets)

182369	SF-Profile - 25 x 70 x 2/3mm (3.0m Length)

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

For the T/L profiles and anodised profiles, the products are shipped directly to the distribution centres therefore no manufacturing needed.

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 Hydro are sent to RJ Facade distribution warehouse in Bathgate 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	487km
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)	7.01E-01 kg
Disposal Route	100% Landfill

Table 5: End-of-Life Packaging

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.

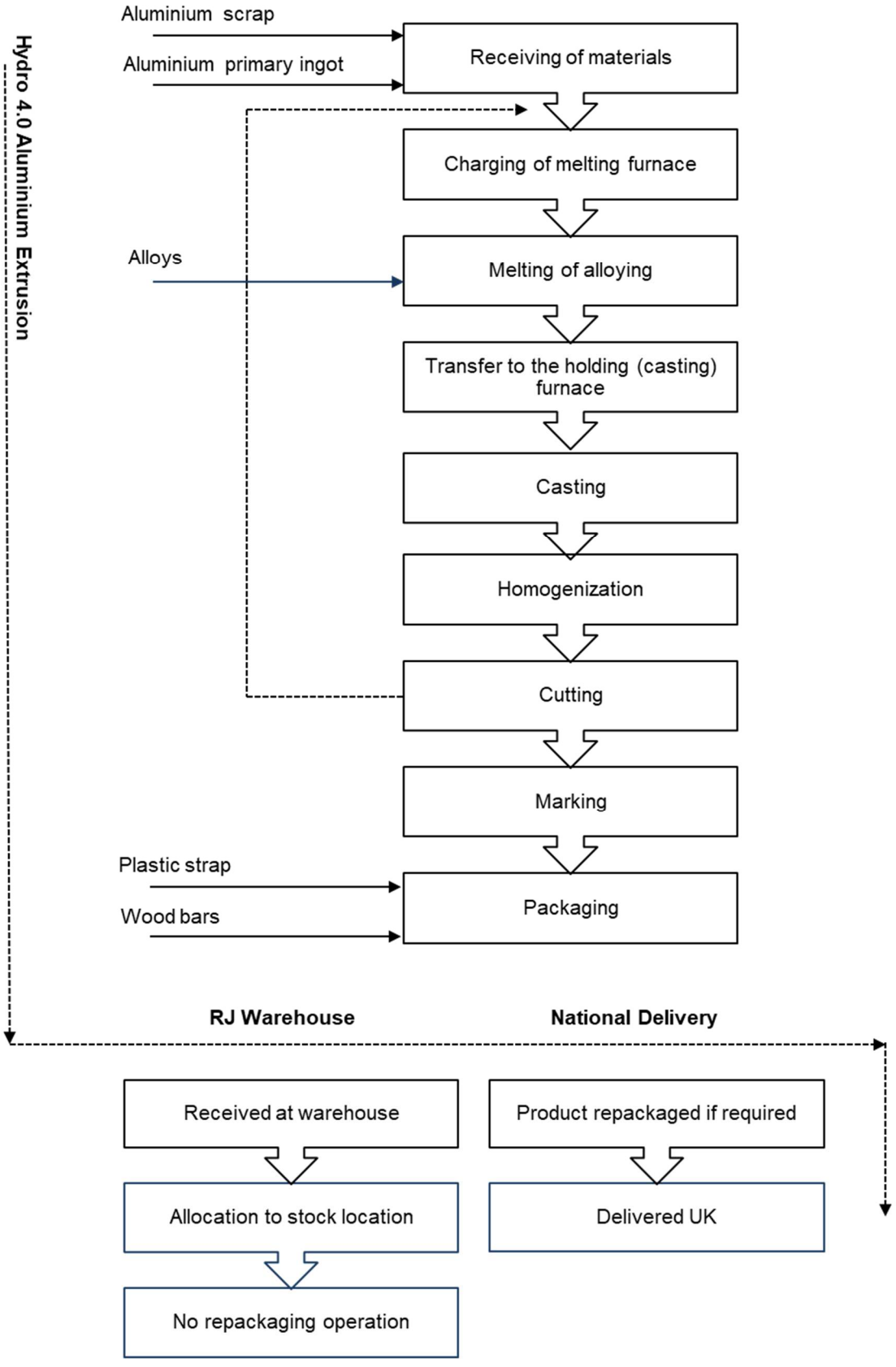
Transportation Mode (Disposal)	Type
Road	Vehicle: Lorry
	Size class: 16>32 metric ton
	Emission Standard: Euro6
	Fuel Type: Diesel
Distance	50km
Mass of product (kg)	9.12E-01kg (Aluminium)
Disposal Route	Recycling

Table 7: End of Life of Product

D Benefit and Load

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

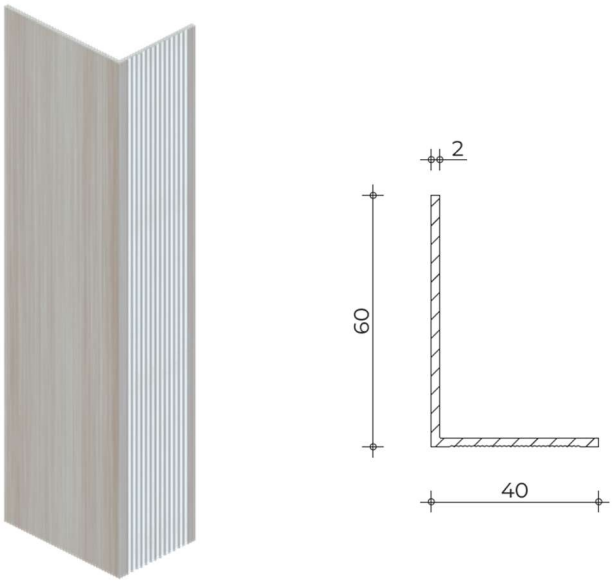
System Boundaries & Description



LCA information

Functional unit / declared unit	1kg L Profile 60x40x2mm
Technical Lifespan	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



L Profile 60x40x2mm

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 system profiles are packaged and sent to customers. See table below:

Product Composition	Mass, Kg	Post-consumer recycled material, weight %	Biogenic Carbon, kg/c
Aluminium	1	44%	0.00E+00

Packaging Composition	Mass, Kg	Post-consumer recycled material, weight %	Biogenic Carbon, kg/c
Cardboard Box	7.12E-02	0%	7.12E-02
Parcel Tape	6.20E-05	0%	6.20E-05
Euro Pallet	6.30E-01	0%	6.30E-01
Shrink Wrap	3.00E-04	0%	3.00E-04

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)

See the PCR for guidance on filling in the table above. The table is adapted for physical products and may have to be modified when declaring service products.

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.	6.30E+00	1.02E-01	3.56E-02	6.27E-04	8.36E-03	3.50E-02	0.00E+00	-1.81E-02
GWP-biogenic	kg CO_2 eq.	-1.19E+00	4.29E-06	1.19E+00	1.19E-08	4.47E-06	3.64E-05	0.00E+00	-1.75E-03
GWP- luluc	kg CO_2 eq.	1.99E-02	4.22E-05	1.00E-05	4.17E-08	2.96E-06	1.03E-04	0.00E+00	-1.49E-04
GWP- total	kg CO_2 eq.	5.12E+00	1.02E-01	1.23E+00	6.27E-04	8.36E-03	3.51E-02	0.00E+00	-2.00E-02
ODP	kg CFC 11 eq.	2.32E-07	1.66E-09	2.40E-10	3.20E-11	1.74E-10	5.37E-10	0.00E+00	-5.70E-10
AP	mol H^+ eq.	4.46E-02	2.59E-04	1.20E-04	1.31E-60	1.97E-05	2.36E-04	0.00E+00	3.02E-03
EP-freshwater	kg P eq.	5.36E-04	9.56E-07	9.30E-06	4.14E-09	6.75E-08	3.90E-07	0.00E+00	1.09E-05
EP-marine	kg N eq.	5.74E-03	6.42E-05	6.41E-04	3.28E-07	5.07E-06	8.27E-05	0.00E+00	5.85E-05
EP-terrestrial	mol N eq.	6.22E-02	7.11E-04	3.73E-04	3.54E-06	5.60E-05	9.03E-04	0.00E+00	1.10E-03
POCP	kg NMVOC eq.	1.87E-02	3.91E-04	2.35E-04	1.18E-06	3.43E-05	2.85E-04	0.00E+00	3.51E-04
ADP-minerals& metals*	kg Sb eq.	3.87E-06	2.86E-07	2.47E-08	8.53E-10	2.34E-08	9.98E-08	0.00E+00	7.49E-06
ADP-fossil*	MJ	6.89E+01	1.54E+00	2.26E-01	1.44E.02	1.25E-01	4.82E-01	0.00E+00	-2.74E-02
WDP*	m^3	2.29E+00	7.78E-03	0.00E+00	1.47E-05	5.98E-04	2.54E-03	0.00E+00	-1.70E-01
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.	6.32E+00	1.02E-01	3.56E-02	6.27E-04	8.36E-03	3.51E-02	0.00E+00	-1.82E-02

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	2.29E-08	9.89E-09	1.59E-09	4.59E-12	8.12E-10	3.44E-09	0.00E+00	7.46E-09
IR[1]	kBq U-235 eg	8.42E-03	7.30E-04	2.13E-04	2.08E-04	5.53E-05	2.06E-04	0.00E+00	-2.68E-03
ETP-FW[1]	CTUe	7.46E-01	1.04E-01	1.16E-01	2.95E-04	6.38E-03	4.22E-02	0.00E+00	-6.82E+00
HTP-c[2]	CTUh	4.18E-09	5.20E-10	7.27E-11	7.15E-13	5.35E-11	2.14E-10	0.00E+00	1.57E-09
HTP-nc[2]	CTUh	2.79E-09	9.19E-10	2.69E-09	1.46E-12	7.56E-11	2.64E-10	0.00E+00	2.61E-08
SQP[2]	Pt	9.38E+01	1.53E+00	4.20E-01	6.61E-04	1.26E-01	3.51E-01	0.00E+00	9.16E-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 experienced 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	5.57E+01	1.94E-02	6.80E-03	1.58E-04	1.93E-03	8.26E-03	0.00E+00	1.12E-01
PERM	MJ	2.12E+02	0.00E+00	-2.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	2.68E+02	1.94E-02	-2.12E+02	1.58E-04	1.93E-03	8.26E-03	0.00E+00	1.12E-01
PENRE	MJ	7.04E+01	1.54E+00	2.26E-01	1.44E-02	1.25E-01	4.83E-01	0.00E+00	-2.47E-02
PENRM	MJ	6.89E-03	0.00E+00	-6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	7.04E+01	1.54E+00	2.19E-01	1.44E-02	1.25E-01	4.83E-01	0.00E+00	-2.47E-02
SM	kg	4.40E-01	0.00E+00	0.00E+00	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	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	2.71E-01	2.32E-04	0.00E+00	2.18E-06	1.88E-05	7.91E-05	0.00E+00	-4.13E-03
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	2.40E-05	1.03E-05	1.40E-06	4.26E-08	8.24E-07	3.17E-06	0.00E+00	5.90E-04
Non-hazardous waste disposed	kg	1.21E+00	1.29E-01	7.04E-01	6.56E-06	1.07E-02	2.54E-02	8.80E-02	1.86E-03
Radioactive waste disposed	kg	1.80E-03	4.12E-07	1.36E-07	8.41E-08	3.77E-08	1.29E-07	0.00E+00	-1.64E-06

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	5.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-01	0.00E+00	0.00E+00
Materials for energy recovery	kg	1.92E-03	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	3.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	5.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Additional environmental information

Conversion

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

Conversion factor $= impact\ of\ representative\ product\ \times product\ mass = impacts\ for\ \ new\ product$

Product List

Description	Code	Weight Each [Kg]
L-Profile - 60 x 40 x 2mm (3.0m Length)	553167	1.588
L-Profile - 60 x 40 x 3mm (3.0m Length)	553356	2.357
L-Profile - 60 x 50 x 2mm (3.0m Length)	553197	1.750
T-Profile - 80 x 60 x 2mm (3.0m Length)	553169	2.236
T-Profile - 80 x 60 x 3mm (3.0m Length)	553178	3.329
T-Profile - 110 x 40 x 2mm (3.0m Length)	519055	2.398
T-Profile - 110 x 60 x 2mm (3.0m Length)	553171	2.722
T-Profile - 120 x 60 x 2mm (3.0m Length)	553195	2.884
Floorspan Profile – 40/38 x 60 x 2/3mm (3.0m Length)	554309	3.993
Floorspan T-Profile – 110/38 x 60 x 2/3mm (3.0m Length)	554311	4.925
Hat Profile FPH - 234 x 20 x 2/3mm (3.0m Length)	558327	5.651
Hat Profile SPH - 126 x 20 x 2/3mm (3.0m Length)	558328	3.348
Hat Profile - 94 x 25 x 2mm (3.0m Length)	558621	2.215
Z-Profile - 45 x 25 x 30 x 2mm (3.0m Length)	553202	1.461
C-Profile FPH - 176 x 30 x 2/3mm (3.0m Length)	553902	4.483
C-Profile SPH - 100 x 30 x 2/3mm (3.0m Length)	553703	3.038

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
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ISO 14044
ISO 14044:2006, Environmental management — Life cycle assessment

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

AIB
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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

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