Statement of Verification

BREG EN EPD No: 000761 Issue: 01

This is to verify that the Environmental Product Declaration provided by:

QIC Trims Limited

are in accordance with the requirements of:

EN 15804:2012+A2:2019

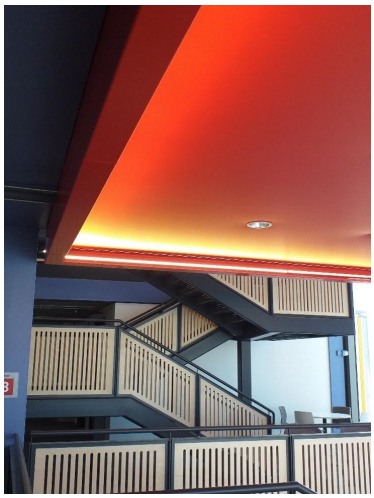
and

BRE Global Scheme Document SD207

This declaration is for:
1 unit of Dry Lining Trims, Ceiling Trims, and Demountable Partitions with an average weight of 0.9457kg/unit.

Company Address

QIC Trims Limited,
Radclive Road,
Gawcott,
Buckingham,
MK18 4BL



QIC
QUALITY INTERIOR COMPONENTS

Signed for BRE Global Limited — Hayley Thomson, Operator

Date of this Issue	Date of First Issue	Expiry Date
17 February 2026	17 February 2026	16 February 2031

BRE Global Verified EPD

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ECO PLATFORM EPD VERIFIED

Environmental Product Declaration

EPD Number: 000761

General Information

EPD Programme Operator	Applicable Product Category Rules
BRE Global Watford, Herts WD25 9XX United Kingdom	BRE 2025 Product Category Rules (PN 514 Rev 3.2) for Type III environmental product declaration of construction products to EN 15804:2012+A2:2019
Commissioner of LCA study	**LCA consultant/Tool**
QIC Trims Limited, Radclive Road, Gawcott, Buckingham, MK18 4BL	LCA Consultant: Chi Zhang/ Francis Yu LCA Tool: BRE LINA A2
Declared/Functional Unit	**Applicability/Coverage**
1 unit of Dry Lining Trims, Ceiling Trims, and Demountable Partitions with an average weight of 0.9457kg/unit.	Product Average.
EPD Type	**Background database**
Cradle to Gate with Module C and D	Ecoinvent v3.8

Demonstration of Verification
CEN standard EN 15804 serves as the core PCR [a]
Independent verification of the declaration and data according to EN ISO 14025:2010 ☒Internal ☐ External
(Where appropriate [b])Third party verifier: Roger Connick
a: Product category rules b: Optional for business-to-business communication; mandatory for business-to-consumer communication (see EN ISO 14025:2010, 9.4)

Comparability
Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A2:2019. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See Clause 5.3 of EN 15804:2012+A2:2019 for further guidance

Information modules covered

Product			Construction		Use stage							End-of-life					Benefits and loads beyond the system boundary
					Related to the building fabric					Related to the building							
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4		D
Raw materials supply	Transport	Manufacturing	Transport to site	Construction – Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal		Reuse, Recovery and/or Recycling potential
☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☑	☑	☑		☑

Note: Ticks indicate the Information Modules declared.

Manufacturing site(s)

QIC Trims Limited,
Radclive Road,
Gawcott,
Buckingham,
MK18 4BL

Construction Product:

Product Description

Trims:
QIC Trims consist of powder-coated aluminium trims which can be used in ceilings and drylining applications. The trims are perforated for easy installation on site, reducing costs and allowing for quick and simple installations. Standard trims are manufactured in 3000mm lengths. Depending on the trim size the aluminium thickness/gauge will vary between 1mm to 2mm for standard size trims. Bespoke sizes can be manufactured to suit client/project requirements. The trims are fixed directly to plasterboard and suitable substrate. Trims can be used with other suitable features such as suspended ceilings or grilles.

Intended for interior fit out our aluminium drylining and ceiling products effortlessly create smooth seamless surfaces. All products can be finished in any colour, powder coating for crisp, clean results. Alternative finishes, non-standard lengths and factory curving available on request.

QIC trims are ideal for residential and commercial sectors with targeted transition and reveal demands. Trims can be of any size to suit most building modules and trimmed for improved aesthetics across undulating or curved walls.

Partitions:
QIC Partition systems are available in three distinct designs, Framed Single Glazed, Acoustic Double Glazed and propriety plasterboard system to suit a 75mm and 100mm plasterboard wall.

Deflection head track is also available for the framed glass systems, to suit any design intent, and can accommodate up to +/-25mm. To suit the desired aesthetic, the aluminium base channels can be various sizes.

Framed Glass systems can accommodate glass panels up to 1500mm wide, subject to height, configuration, and site logistics. This partition systems can integrate seamlessly with generic drywall with the use of our aluminium transition sections, where acoustic performance and design aesthetics cannot be compromised. The excellent acoustic performance, aesthetic appeal, and adaptability of our Partition systems range offers a broad range for the client. Our systems are also available with our aluminium door frames to suit timber and glass doors and can offer up to 30mins fire resistance.

This EPD is using the 0.9457kg/unit average weight of all dry lining trims, ceiling trims, and demountable partitions. The total production quantity (kg) of the products has been divided by the total production in unit to get the average weight per unit. The EPD covers all extruded aluminium dry lining trims, ceiling trims, and demountable partitions as these products have the same manufacturing process and composition. The products can be sold independently and they can be used independently of each other. Users can buy different components to build their end finished product within the building.

The users of the EPD can use the EPD results and the table listed at the end of this document to calculate the impacts for 1 unit of other specific products.

Technical Information

Property	Value, Unit
Aluminium and aluminium alloys. Extruded rod/bar, tube and profiles. Profiles, tolerances on dimensions and form	BS EN 755-9:2016
Aluminium and aluminium alloys. Chemical composition and form of wrought products. Chemical composition and form of products	BS EN 573-3:2019+A2:2023
Aluminium and aluminium alloys. Extruded precision profiles in alloys EN AW-6060 and EN AW-6063	BS EN 12020-1:2022

Note: The above technical properties apply to all products covered in this EPD. The technical information is gathered from Qic Trims' supplier EPD, please contact Qic Trims for details QIC Trims - QIC Interior Specialists | QicTrims Ltd.

Main Product Contents

Material/Chemical Input	%
Aluminium	91.31%
Powder paint	4.96%
Plastic	3.44%
Others	0.28%
Steel	0.01%

Note: The above product contents apply to all products covered in this EPD.

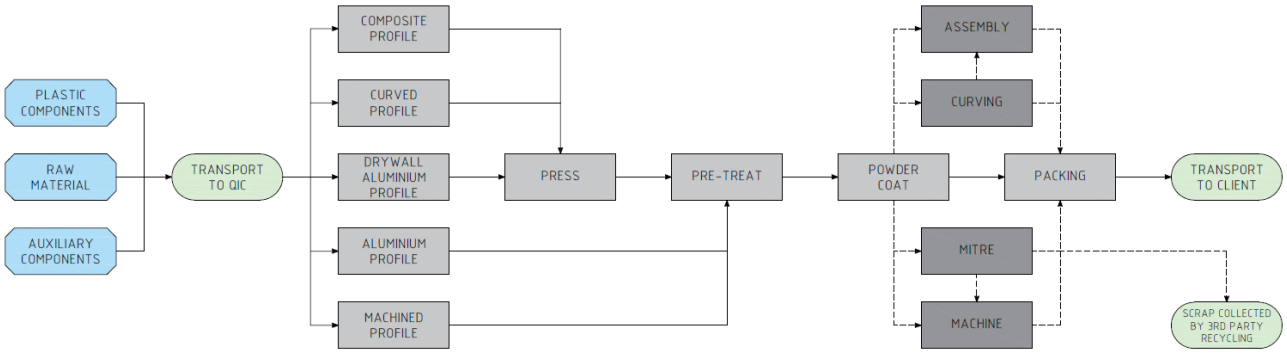
Manufacturing Process

QIC Trims Limited's factory in Buckinghamshire is where all the extruded systems and their relevant components are supplied from Aluminium, Steel & Plastic. Raw material is bought in pre extruded and components in flat rolled form. Processes include Slitting, Cutting, Curving, Punching, Pressing, Forming, Machining, Assembly and Powder coating. It is then packaged ready for dispatch.

The aluminium used in the production of QIC products consist of approximately 0 – 70% of prime aluminium billet. The rest of the aluminium used in the QIC products consist of approximately 30% of pre consumer recycled Aluminium. Our suppliers also utilize approximately 1 – 5% of post-consumer recycled aluminium at any given time.

The production waste on all the products is weighed in and recycled through a 3rd party.

Process flow diagram



End of Life

There is currently no process in place to process the product waste from the manufacturer. Therefore, an industrial average end-of-life scenario of aluminium waste has been used according to BRE 2025 Product Category Rules (PN 514 Rev 3.2), which is 95% to recycling and 5% to landfill.

Life Cycle Assessment Calculation Rules

Declared / Functional unit description

1 unit of Dry Lining Trims, Ceiling Trims, and Demountable Partitions with an average weight of 0.9457kg/unit.

System boundary

This is a cradle-to-gate with modules C and D LCA, reporting all production life cycle stages of modules A1 to A3 and end of life stages C1-C4, and D in accordance with EN 15804:2012+A2:2019 and BRE 2025 Product Category Rules (PN 514 Rev 3.2).

Data sources, quality and allocation

Specific primary data derived from QIC Trims Limited's production process in the Gawcott factory, have been modelled using the LINA A2 LCA and the ecoinvent 3.8 database. In accordance with the requirements of EN15804:2012 + A2:2019, the most current available data has been used. The manufacturer-specific data from QIC Trims Limited covers one year (01/01/2023 – 31/12/2023). Secondary data has been obtained for all other upstream and downstream processes that are beyond the control of the manufacturer (i.e., raw material production) from the ecoinvent 3.8 database. All ecoinvent datasets are complete within the context used and conform to the system boundary and the criteria for the exclusion of inputs and outputs, according to the requirements specified in EN15804:2012+A2:2019.

QIC Trims Limited's dry lining trims, ceiling trims and demountable partitions is not the only product manufactured at the Gawcott factory other products are manufactured along with it, so the allocation of energy, water, and waste is required, and this has been done by using the unit allocation in the provisions of the BRE PCR PN514 and EN 15804:2012+A2:2019. Site-wide values for energy, water and wastewater have been taken from bills. Figures for the raw materials, ancillary materials, and packaging were from actual usages. This LCA covers the manufacturing of QIC Trims Limited's dry lining trims, ceiling trims, and demountable partitions, which covers 78.7% of the factory production.

Quality Level	Geographical representativeness	Technical representativeness	Time representativeness
Very Good	Data from the area under study	Data from processes and products under study. Same state of technology applied as defined in goal and scope (i.e. identical technology).	Less than 3 years difference between the reference year according to the documentation, and the time period for which data are representative.

Specific UK datasets have been selected from the ecoinvent LCI for this LCA. The quality level of geographical and technical representativeness is therefore very good. The quality level of time representativeness is very good as the background LCI datasets are based on ecoinvent v3.8 which was compiled in 2021. Therefore, there is less than 3 years between the ecoinvent LCI reference year and the time period for which the LCA was undertaken.

UK consumption mix (2022) was used for electricity with an emissions factor of 0.239 kgCO2e/kWh.
UK Natural gas data (at industrial furnace) was used with an emissions factor of 0.232 kgCO2eq/kWh.
UK renewable electricity (roof, mono solar PV) was used with an emission factor of 0.125 kgCO2e/kWh.

Cut-off criteria

All processes associated with the manufacturing process have been included. All inputs and outputs have been included and all raw materials, packaging, transport, energy, water and wastes are included, except for direct emissions to air, water and soil, which are not measured. Upstream extraction and/or processing of inputs are included within the use of the background datasets within LINA.

LCA Results

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts									
			GWP-total	GWP-fossil	GWP-biogenic	GWP-luluc	ODP	AP	EP-freshwater
			kg CO_2 eq	kg CO_2 eq	kg CO_2 eq	kg CO_2 eq	kg CFC11 eq	mol H^+ eq	kg $(PO_4)^{3-}$ eq
Product stage	Raw material supply	A1	1.49E+01	1.49E+01	-3.89E-02	4.11E-02	5.76E-07	9.88E-02	5.05E-03
	Transport	A2	2.29E+00	2.29E+00	1.95E-03	8.99E-04	5.29E-07	9.35E-03	1.47E-04
	Manufacturing	A3	2.14E-01	2.03E-01	9.91E-03	2.20E-04	1.66E-08	7.29E-04	4.39E-05
	Total (Consumption grid)	A1-3	1.74E+01	1.74E+01	-2.71E-02	4.22E-02	1.12E-06	1.09E-01	5.24E-03
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario									
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	7.87E-03	7.86E-03	6.70E-06	3.09E-06	1.82E-09	3.19E-05	5.06E-07
	Waste processing	C3	2.44E-01	2.42E-01	1.47E-03	3.08E-04	1.56E-08	1.03E-03	6.46E-05
	Disposal	C4	2.58E-03	2.55E-03	2.19E-05	2.76E-06	4.47E-10	1.85E-05	7.48E-07
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.71E+01	-1.71E+01	5.02E-02	-2.28E-02	-5.04E-07	-1.10E-01	-5.10E-03

GWP-total = Global warming potential, total;
GWP-fossil = Global warming potential, fossil;
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; and
EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts									
			EP-marine	EP-terrestrial	POCP	ADP-mineral& metals	ADP-fossil	WDP	PM
			kg N eq	mol N eq	kg NMVOC eq	kg Sb eq	MJ, net calorific value	m^3 world eq deprived	disease incidence
Product stage	Raw material supply	A1	1.58E-02	1.65E-01	4.79E-02	7.54E-05	1.47E+02	3.86E+00	1.20E-06
	Transport	A2	2.81E-03	3.07E-02	9.40E-03	7.95E-06	3.45E+01	1.55E-01	1.97E-07
	Manufacturing	A3	1.83E-04	1.63E-03	5.15E-04	3.30E-06	4.17E+00	7.29E-02	7.54E-09
	Total (Consumption grid)	A1-3	1.88E-02	1.97E-01	5.78E-02	8.66E-05	1.85E+02	4.09E+00	1.40E-06
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario									
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	9.61E-06	1.05E-04	3.22E-05	2.73E-08	1.19E-01	5.35E-04	6.78E-10
	Waste processing	C3	1.82E-04	1.99E-03	5.69E-04	1.01E-05	1.82E+00	4.14E-02	1.61E-08
	Disposal	C4	5.28E-06	5.72E-05	1.68E-05	6.56E-09	4.43E-02	1.67E-03	3.14E-10
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.83E-02	-1.91E-01	-5.49E-02	-1.48E-05	-1.54E+02	-2.03E+00	-1.41E-06

EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment;
EP-terrestrial = Eutrophication potential, accumulated exceedance;
POCP = Formation potential of tropospheric ozone;
ADP-mineral&metals = Abiotic depletion potential for non-fossil resources;
ADP-fossil = Depletion potential of the stratospheric ozone layer;
WDP = Water (user) deprivation potential, deprivation-weighted water consumption; and
PM = Particulate matter.

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts							
			IRP	ETP-fw	HTP-c	HTP-nc	SQP
			kBq U^{235} eq	CTUe	CTUh	CTUh	dimensionless
Product stage	Raw material supply	A1	5.47E-01	3.94E+02	1.89E-08	3.70E-07	3.25E+01
	Transport	A2	1.78E-01	2.70E+01	8.75E-10	2.83E-08	2.37E+01
	Manufacturing	A3	6.27E-02	3.25E+00	1.04E-10	2.88E-09	1.65E+00
	Total (Consumption grid)	A1-3	7.87E-01	4.24E+02	1.99E-08	4.01E-07	5.79E+01
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario							
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	6.11E-04	9.27E-02	3.00E-12	9.72E-11	8.16E-02
	Waste processing	C3	1.72E-02	5.21E+00	1.61E-10	6.66E-09	1.68E+00
	Disposal	C4	2.36E-04	2.68E+01	2.19E-12	5.10E-11	7.93E-02
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-2.02E-01	-4.40E+02	-1.77E-08	-3.76E-07	-3.19E+01

IRP = Potential human exposure efficiency relative to U235;
ETP-fw = Potential comparative toxic unit for ecosystems;
HTP-c = Potential comparative toxic unit for humans;
HTP-nc = Potential comparative toxic unit for humans; and
SQP = Potential soil quality index.

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing resource use, primary energy

			PERE	PERM	PERT	PENRE	PENRM	PENRT
			MJ	MJ	MJ	MJ	MJ	MJ
Product stage	Raw material supply	A1	1.66E+01	3.57E-02	1.66E+01	1.45E+02	1.16E+00	1.46E+02
	Transport	A2	4.87E-01	0.00E+00	4.87E-01	3.39E+01	0.00E+00	3.39E+01
	Manufacturing	A3	3.46E-01	4.63E-01	8.09E-01	3.44E+00	1.10E+00	4.54E+00
	Total (Consumption grid)	A1-3	1.74E+01	4.99E-01	1.79E+01	1.82E+02	2.25E+00	1.84E+02
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario								
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	1.67E-03	0.00E+00	1.67E-03	1.17E-01	0.00E+00	1.17E-01
	Waste processing	C3	1.54E-01	0.00E+00	1.54E-01	1.06E+00	0.00E+00	1.06E+00
	Disposal	C4	1.90E-03	0.00E+00	1.90E-03	4.37E-02	0.00E+00	4.37E-02
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-9.39E+00	0.00E+00	-9.39E+00	-1.53E+02	0.00E+00	-1.53E+02

PERE = Use of renewable primary energy excluding renewable primary energy 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 resource

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing resource use, secondary materials and fuels, use of water						
			SM	RSF	NRSF	FW
			kg	MJ net calorific value	MJ net calorific value	m^3
Product stage	Raw material supply	A1	7.43E-02	0.00E+00	0.00E+00	9.91E-02
	Transport	A2	0.00E+00	0.00E+00	0.00E+00	3.85E-03
	Manufacturing	A3	6.52E-03	1.38E-06	0.00E+00	2.01E-03
	Total (Consumption grid)	A1-3	8.08E-02	1.38E-06	0.00E+00	1.05E-01
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario						
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	0.00E+00	0.00E+00	0.00E+00	1.32E-05
	Waste processing	C3	0.00E+00	0.00E+00	0.00E+00	1.02E-03
	Disposal	C4	0.00E+00	0.00E+00	0.00E+00	3.98E-05
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	0.00E+00	0.00E+00	0.00E+00	-5.47E-02

SM = Use of secondary material;
RSF = Use of renewable secondary fuels;
NRSF = Use of non-renewable secondary fuels;
FW = Net use of fresh water

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Other environmental information describing waste categories					
			HWD	NHWD	RWD
			kg	kg	kg
Product stage	Raw material supply	A1	2.97E+00	2.11E+01	2.61E-04
	Transport	A2	3.81E-02	6.77E-01	1.06E-01
	Manufacturing	A3	9.95E-03	2.44E-01	1.89E-05
	Total (Consumption grid)	A1-3	3.02E+00	2.20E+01	1.06E-01
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario					
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	1.31E-04	2.33E-03	8.04E-07
	Waste processing	C3	1.66E-02	3.81E-01	4.22E-06
	Disposal	C4	6.96E-04	1.30E-01	2.17E-07
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-3.38E+00	-2.12E+01	-1.75E-04

HWD = Hazardous waste disposed;
NHWD = Non-hazardous waste disposed;
RWD = Radioactive waste disposed

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Other environmental information describing output flows – at end of life								
			CRU	MFR	MER	EE	Biogenic carbon (product)	Biogenic carbon (packaging)
			kg	kg	kg	MJ per energy carrier	kg C	kg C
Product stage	Raw material supply	A1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00
	Transport	A2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Manufacturing	A3	0.00E+00	3.81E-02	1.19E-08	1.13E-03	1.81E-03	9.29E-03
	Total (Consumption grid)	A1-3	0.00E+00	3.81E-02	1.19E-08	1.13E-03	1.81E-03	9.29E-03
Construction process stage	Transport	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Construction	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use stage	Use	B1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Maintenance	B2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Repair	B3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Replacement	B4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Refurbishment	B5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational energy use	B6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Operational water use	B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95% waste to recycling and 5% to landfill Scenario								
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Waste processing	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Disposal	C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CRU = Components for reuse;
MFR = Materials for recycling

MER = Materials for energy recovery;
EE = Exported Energy

Scenarios and additional technical information

Scenarios and additional technical information			
Scenario	Parameter	Units	Results
C1 to C4 End of life,			
C1 - Deconstruction	In the LCA Module C1 for dry lining trims, ceiling Trims, and demountable partitions, designed for longevity, are only dismantled with the whole building. Their removal is energy-efficient and straightforward, requiring minimal specialized equipment. Considering their potential for recycling or reuse and the low energy involved in dismantling, the environmental impact in module C1 is negligible. Therefore, there is no data will be computed in this phase. 100% recovery rate of the product has been assumed at its end of life.		
C2 – End of Life transport	50km by road has been modelled for module C2 as a typical distance from the demolition site to factory. However, end-users of the EPD can use this information to calculate the impacts of a bespoke transport distance for module C2 if required.	Litres per km	0.227
	Distance: Deconstruction unit to pre-processing unit	km	50
C3 – Waste Processing	In the waste processing stage of the dry lining trims, ceiling Trims, and demountable partitions, industrial average aluminium end-of-life scenario has been used, i.e. 95% to recycling and 5% to landfill in accordance with BRE PN514 EN15804+A2 PCR V3.2. The products are made of 91.3% of aluminium, 0.01% of steel. As the steel is less than 1%, the LCA will treat steel waste as aluminium waste for easy calculation. So 95% of aluminium waste goes to recycling, i.e. 0.9457*91.31%*95%= 0.82034 kg.		
	Aluminium waste to recycling	kg	0.82034
C4 - Disposal	In the waste processing stage of the dry lining trims, ceiling Trims, and demountable partitions, industrial average aluminium end-of-life scenario has been used, i.e. 95% to recycling and 5% to landfill in accordance with BRE PN514 EN15804+A2 PCR V3.2. The products are made of 91.3% of aluminium, 0.01% of steel. As the steel is less than 1%, the LCA will treat steel waste as aluminium waste for easy calculation. So 5% of aluminium waste goes to landfill, i.e. 0.9457*91.31%*5%= 0.0432 kg. The remaining 4.96% of powder paint and 3.72% of plastic and wood, which is hardly to be collected and processed in the reality. Therefore, this part of waste will be sent to landfill, i.e. 0.9457* (4.96%+3.72%)= 0.0821 kg.		
	Aluminium waste to landfill	kg	0.0432
	Inert waste to landfill	kg	0.0821
Module D	Benefits and loads beyond the system boundary (Module D) account for the environmental benefits and loads resulting from the aluminium, which are collected for recycling at the end of their life. These benefits are calculated by excluding the pre-existing recycled materials used in the primary process. At the end of life, 1 unit of dry lining trims, ceiling trims, and demountable partitions becomes 0.82034 kg of recyclable material (i.e. 91.3% of aluminium, 0.01% of steel). The background data of extruded aluminium profiles contains 7.4% of post-consumer recycled content. So only 92.6% of virgin content of aluminium can be reported in Module D, i.e. 92.6%*0.82034= 0.7596 kg.		
	Benefits due to recycling of aluminium	kg	0.7596

Interpretation

Out of the total mass of input materials for Dry Lining Trims, Ceiling Trims, and Demountable Partitions, aluminium accounts for 91.31%, powder paint accounts for 4.96%, plastic accounts for 3.44%, and other materials account for the remaining of 0.29%. The bulk of the environmental impacts and primary energy demand are attributed to the manufacturing phase, covered by information modules A1-A3 of EN15804:2012+A2:2019.

As a result, aluminium contributes the most on overall environmental impacts, followed by transport and aluminium extrusion process.

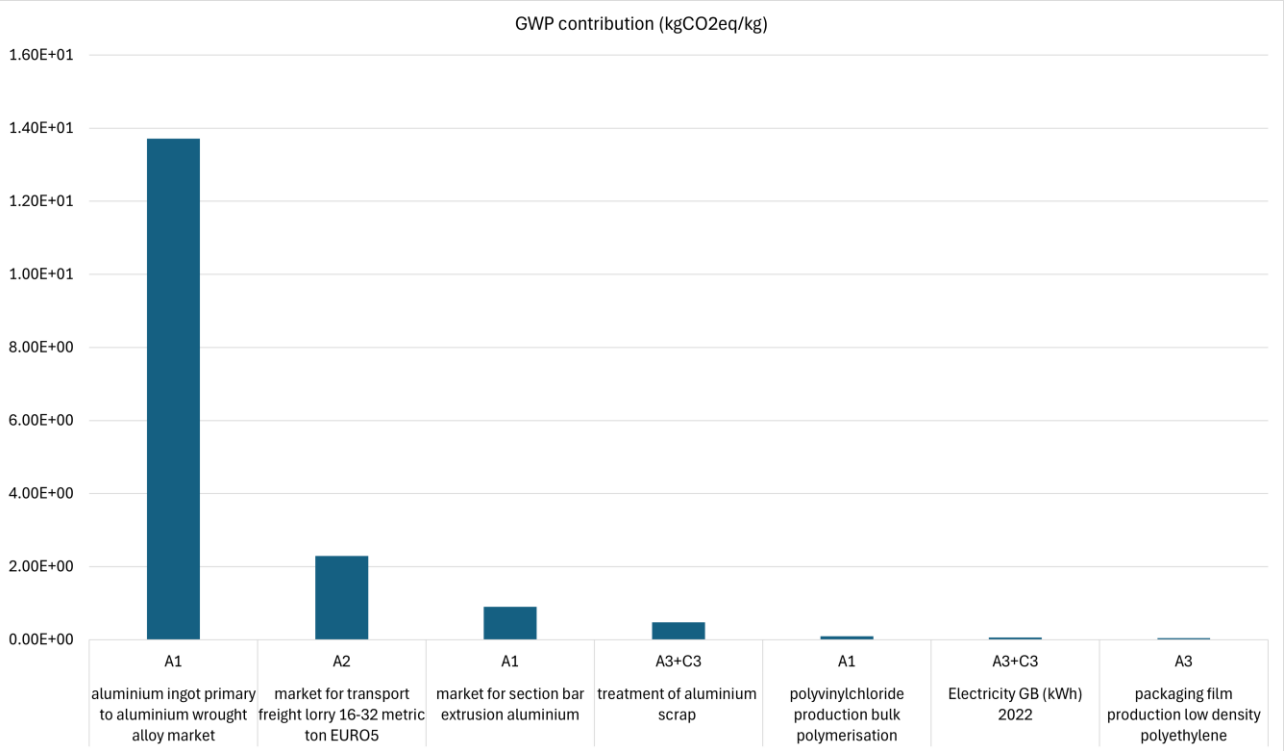


Figure 1

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BSI. Environmental labels and declarations – Type III Environmental declarations – Principles and procedures. BS EN ISO 14025:2010 (exactly identical to ISO 14025:2006). London, BSI, 2010.

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Appendix – how to use the results of this EPD

The LCA results listed in the table above are for QIC-Trims processing of 1 unit of dry lining trims, ceiling trims, and partitions. The end-user of this EPD can therefore use these results to calculate the environmental impact for each QIC-Trims product listed in the table below. The LCA results for each EN 15804 indicator will need to be multiplied by the weight of the respective product:

Drywall trims:

Product Code	Category	Weight/ Unit	Product Code	Category	Weight/ Unit
CE01/3000/****	DRYWALL	0.666	R10/3000/****	DRYWALL	0.405
CE12/3000/****	DRYWALL	0.651	R12/3000/****	DRYWALL	0.429
CE25/3000/****	DRYWALL	0.882	R15/3000/****	DRYWALL	0.453
D12/3000/****	DRYWALL	0.552	R20/3000/****	DRYWALL	0.501
D25/3000/****	DRYWALL	0.858	R25/3000/****	DRYWALL	0.552
DC12/3000/****	DRYWALL	0.777	R6/3000/****	DRYWALL	0.366
E100/3000/****	DRYWALL	1.506	RD10/3000/****	DRYWALL	0.471
E100-S/3000/***	DRYWALL	1.863	RD12/3000/****	DRYWALL	0.489
E12/3000/****	DRYWALL	0.33	RD15/3000/****	DRYWALL	0.486
E12-FLEXI/3000/****	DRYWALL	0.33	RD25/3000/****	DRYWALL	0.618
E15/3000/****	DRYWALL	0.357	RS12/3000/****	DRYWALL	0.393
E15-FLEXI/3000/****	DRYWALL	0.357	SKR100/3000/****	DRYWALL	2.001
E19/3000/****	DRYWALL	0.393	ST100/3000/****	DRYWALL	1.611
E19-FLEXI/3000/****	DRYWALL	0.393	ST30/3000/****	DRYWALL	0.963
E25/3000/****	DRYWALL	0.453	ST40/3000/****	DRYWALL	0.963
E25-FLEXI/3000/****	DRYWALL	0.453	ST50/3000/****	DRYWALL	0.963
E30/3000/****	DRYWALL	0.522	STA100/3000/****	DRYWALL	1.41
E4 FLEXI/3000/****	DRYWALL	0.249	STA30/3000/****	DRYWALL	0.357
E4/3000/****	DRYWALL	0.249	STA40/3000/****	DRYWALL	0.507
E50/3000/****	DRYWALL	0.696	STA50/3000/****	DRYWALL	0.657
E75/3000/****	DRYWALL	1.506	W12/3000/****	DRYWALL	0.735
E9/3000/****	DRYWALL	0.315	W25/3000/****	DRYWALL	0.858
GL4/3000/****	DRYWALL	2.199	W7/3000/****	DRYWALL	0.672
GL5/3000/****	DRYWALL	1.878	X15/3000/****	DRYWALL	0.729
GL6/3000/****	DRYWALL	1.449	X20/3000/****	DRYWALL	0.825
GL7/3000/****	DRYWALL	2.418	X25/3000/****	DRYWALL	0.924
H25/3000/****	DRYWALL	0.99	X55/3000/****	DRYWALL	1.071
KE01/3000/****	DRYWALL	1.518			
KE02/3000/****	DRYWALL	0.669			
P01/3000/****	DRYWALL	0.48			
P02/3000/****	DRYWALL	0.864			
P04/3000/****	DRYWALL	0.747			

Ceiling trims:

Product Code	Category	Weight/ Unit	Product Code	Category	Weight/ Unit
AG01/3000/****	CEILING	0.741	YAS10/3000/****	CEILING	0.906
AG02/3000/****	CEILING	0.693	YAS15/3000/****	CEILING	0.993
AG04/3000/****	CEILING	0.549	YAS21/3000/****	CEILING	0.906
AG05/3000/****	CEILING	0.603	YAS8/3000/****	CEILING	0.906
AG06/3000/****	CEILING	0.768	YPB330/3000/****	CEILING	1.263
AG08/3000/****	CEILING	1.288			
AG10/3000/****	CEILING	0.639			
AG11/3000/****	CEILING	0.897			
AG45/3000/****	CEILING	1.968			
C40/3000/****	CEILING	1.878			
CH01/3000/****	CEILING	0.867			
CH03/3000/****	CEILING	1.092			
SA03/3000/****	CEILING	1.374			
SA04/3000/****	CEILING	1.404			
SA1508/3000/****	CEILING	0.747			
SC01/3000/****	CEILING	1.563			
SC03/3000/****	CEILING	1.584			
SC04/3000/****	CEILING	1.614			
SJA03/3000/****	CEILING	1.395			
T01/3000/****	CEILING	0.810			
T04/3000/****	CEILING	0.984			
UC01/3000/****	CEILING	1.173			
UC02/3000/****	CEILING	1.239			
US01/3000/****	CEILING	2.001			
US02/3000/****	CEILING	2.001			
US300/3000/****	CEILING	3.426			
US50/3000/****	CEILING	1.026			
XT0/3000/****	CEILING	0.729			
XT15/3000/****	CEILING	0.861			
Y0/3000/****	CEILING	1.044			
Y15/3000/****	CEILING	1.437			
Y20/3000/****	CEILING	1.506			
Y300/3000/****	CEILING	1.905			
YA0/3000/****	CEILING	0.861			
YA15/3000/****	CEILING	1.257			
YA20/3000/****	CEILING	1.506			

Blind Boxes trims:

Product Code	Category	Weight/Unit
BBOX100BP/3000/****	BLINDBOX	0.855
BBOX100PB/3000/****	BLINDBOX	5.985
BBOX100TP/3000/****	BLINDBOX	5.451
BBOX100WP/3000/****	BLINDBOX	5.451
BBOX100WT/3000/****	BLINDBOX	5.451

SYS 25 trims:

Product Code	Category	Weight/Unit	Product Code	Category	Weight/Unit
CP2545/3000/****	SYS25	2.235	SG-CB/<2750/****/BL	SYS25 Frame	9.467
CP2590/3000/****	SYS25	2.814	SG-CB/<2750/****/LH	SYS25 Frame	9.467
SG01-35/3000/****	SYS25	1.264	SG-CB/<2750/****/RH	SYS25 Frame	9.467
SG01A/3000/****	SYS25	0.819	SG-CB/<2750/****/DD	SYS25 Frame	10.880
SG02-35/3000/****	SYS25	0.600	SG-CB/<2150/****/BL	SYS25 Frame	7.489
SG02A/3000/****	SYS25	0.474	SG-CB/<2150/****/LH	SYS25 Frame	7.489
SG03/3000/****	SYS25	1.119	SG-CB/<2150/****/RH	SYS25 Frame	7.489
SG35/3000/****	SYS25	1.542	SG-CB/<2150/****/DD	SYS25 Frame	8.902
SG50/3000/****	SYS25	2.193	SG-HD/<3200/****/BL	SYS25 Frame	15.429
SGCLIP/3000/****	SYS25	0.390	SG-HD/<3200/****/LH	SYS25 Frame	15.429
SGDF/WI	SYS 25	1.5	SG-HD/<3200/****/RH	SYS25 Frame	15.429
SGDF/2250/****	SYS25	3.024	SG-HD/<3200/****/DD	SYS25 Frame	17.514
SGDF/2850/****	SYS25	3.830	SG-HD/<2750/****/BL	SYS25 Frame	13.970
SGDF/3300/****	SYS25	4.435	SG-HD/<2750/****/LH	SYS25 Frame	13.970
SGDF-CB/2850/****	SYS25	4.027	SG-HD/<2750/****/RH	SYS25 Frame	13.970
SGDF-CB/3300/****	SYS25	4.663	SG-HD/<2750/****/DD	SYS25 Frame	16.055
SGDF-HD/2850/****	SYS25	5.942	SG-HD/<2150/****/BL	SYS25 Frame	11.051
SGDF-HD/3300/****	SYS25	6.881	SG-HD/<2150/****/LH	SYS25 Frame	11.051
SGDH1/3000/****	SYS25	2.640	SG-HD/<2150/****/RH	SYS25 Frame	11.051
SGDH2/3000/****	SYS25	3.780	SG-HD/<2150/****/DD	SYS25 Frame	13.136
SGHP/3000/****	SYS25	1.401			
SG-SLIDE/3000/****	SYS25	4.743			
SYS25/3WEC/3000/****	SYS25	4.179			
SG/G/BL/****/968MMX 3050MM	SYS25 Frame	12.22			
SG/<3200/****/BL	SYS25 Frame	9.946			
SG/<3200/****/LH	SYS25 Frame	9.946			
SG/<3200/****/RH	SYS25 Frame	9.946			
SG/<3200/****/DD	SYS25 Frame	11.290			
SG/<2750/****/BL	SYS25 Frame	9.005			
SG/<2750/****/LH	SYS25 Frame	9.005			

SG/<2750/****/RH	SYS25 Frame	9.005			
SG/<2750/****/DD	SYS25 Frame	10.349			
SG/<2150/****/BL	SYS25 Frame	7.123			
SG/<2150/****/LH	SYS25 Frame	7.123			
SG/<2150/****/RH	SYS25 Frame	7.123			
SG/<2150/****/DD	SYS25 Frame	8.467			
SG-CB/<3200/****/BL	SYS25 Frame	10.456			
SG-CB/<3200/****/LH	SYS25 Frame	10.456			
SG-CB/<3200/****/RH	SYS25 Frame	10.456			
SG-CB/<3200/****/DD	SYS25 Frame	11.869			

System 68 trims:

Product Code	Category	Weight/Unit
CP6890/3000/****	SYS68	4.017
CP6890-CLIP/3000/****	SYS68	1.038
DG01-35/3000/****	SYS 68	2.058
SG02-35/3000/****	SYS 25 & 68	0.6
DG01A/3000/****	SYS 68	1.833
DG03/3000/****	SYS 68	2.358
DG35/3000/****	SYS 68	3.639
DGDF/2850/****	SYS 68	3.62235
DGDF/3300/****	SYS 68	4.1943
DGDF/WI	SYS 68	1.0
DGDF-HD/2850/****	SYS 68	6.26145
DGDF-HD/3300/****	SYS 68	7.2501
DGDH1/3000/****	SYS 68	4.71
DGDH2/3000/****	SYS 68	4.92
MP01A/3000/****	SYS68	1.764
MP02A/3000/****	SYS68	0.843
MP03A/3000/****	SYS68	0.927
MP04/3000/****	SYS68	0.603
DG/<2150/****/BL	SYS68 Frame	6.7363
DG/<2150/****/DD	SYS68 Frame	8.0073
DG/<2150/****/LH	SYS68 Frame	6.7363
DG/<2150/****/RH	SYS68 Frame	6.7363
DG/<2750/****/BL	SYS68 Frame	8.5157
DG/<2750/****/DD	SYS68 Frame	9.7867
DG/<2750/****/LH	SYS68 Frame	8.5157
DG/<2750/****/RH	SYS68 Frame	8.5157
DG/<3200/****/BL	SYS68 Frame	9.4054
DG/<3200/****/DD	SYS68 Frame	10.6764
DG/<3200/****/LH	SYS68 Frame	9.4054
DG/<3200/****/RH	SYS68 Frame	9.4054

DG-HD/<2150/****/BL	SYS68 Frame	11.6441
DG-HD/<2150/****/DD	SYS68 Frame	13.8411
DG-HD/<2150/****/LH	SYS68 Frame	11.6441
DG-HD/<2150/****/RH	SYS68 Frame	11.6441
DG-HD/<2750/****/BL	SYS68 Frame	14.7199
DG-HD/<2750/****/DD	SYS68 Frame	16.9169
DG-HD/<2750/****/LH	SYS68 Frame	14.7199
DG-HD/<2750/****/RH	SYS68 Frame	14.7199
DG-HD/<3200/****/BL	SYS68 Frame	16.2578
DG-HD/<3200/****/DD	SYS68 Frame	18.4548
DG-HD/<3200/****/LH	SYS68 Frame	16.2578
DG-HD/<3200/****/RH	SYS68 Frame	16.2578

System 75 trims:

Product Code	Category	Weight/Unit
SYS75/DF/2250/****	SYS 75	4.12425
SYS75/DF/2250/****	SYS 75	5.22405
SYS75/DF/2250/****	SYS 75	6.0489
SYS75/DG/3000/****	SYS 75	4.797
SYS75/DG/C/3000/****	SYS 75	2.904
SYS75/HT/3000/****	SYS 75	3.048
SYS75/HT/3600/****	SYS 75	3.6576
SYS75/SG/3000/****	SYS 75	3.561
SYS75/SG/C/3000/****	SYS 75	2.55
SYS75/<3200/****/BL	SYS 75 Frame WR	13.542
SYS75/<3200/****/LH	SYS 75 Frame WR	13.542
SYS75/<3200/****/RH	SYS 75 Frame WR	13.542
SYS75/<3200/****/DD	SYS 75 Frame WR	15.372
SYS75/<2750/****/BL	SYS 75 Frame WR	12.261
SYS75/<2750/****/LH	SYS 75 Frame WR	12.261
SYS75/<2750/****/RH	SYS 75 Frame WR	12.261
SYS75/<2750/****/DD	SYS 75 Frame WR	14.091
SYS75/<2150/****/BL	SYS 75 Frame WR	9.699
SYS75/<2150/****/LH	SYS 75 Frame WR	9.699
SYS75/<2150/****/RH	SYS 75 Frame WR	9.699
SYS75/<2150/****/DD	SYS 75 Frame WR	11.529

System 100 trims:

Product Code	Category	Weight/ Unit	Product Code	Category	Weight/ Unit
BG401/3000/****	SYS 100	1.854	SYS100/SG/C/3000/****	SYS 100	3.750
BG402/3000/****	SYS 100	0.915	SYS100/<3200/****/BL	SYS 100 Frame WR	14.304
DEF301/3000/****	SYS 100	4.008	SYS100/<3200/****/LH	SYS 100 Frame WR	14.304
DEF302/3000/****	SYS 100	5.412	SYS100/<3200/****/RH	SYS 100 Frame WR	14.304
DEF303/3000/***	SYS 100	4.221	SYS100/<3200/****/DD	SYS 100 Frame WR	16.237
DEF304/3000/***	SYS 100	6.561	SYS100/<2750/****/BL	SYS 100 Frame WR	12.951
DG101/3000/****	SYS 100	2.541	SYS100/<2750/****/LH	SYS 100 Frame WR	12.951
DG103/3000/****	SYS 100	3.747	SYS100/<2750/****/RH	SYS 100 Frame WR	12.951
DG104/3000/****	SYS 100	0.723	SYS100/<2750/****/DD	SYS 100 Frame WR	14.884
DG105/3000/****	SYS 100	4.512	SYS100/<2150/****/BL	SYS 100 Frame WR	10.245
DG106/2250/****	SYS 100	5.499	SYS100/<2150/****/LH	SYS 100 Frame WR	10.245
DG106/2850/****	SYS 100	6.965	SYS100/<2150/****/RH	SYS 100 Frame WR	10.245
DG106/3300/****	SYS 100	8.065	SYS100/<2150/****/DD	SYS 100 Frame WR	12.178
DR305/2250/****	SYS 100	4.325	DR305/<3200/****/BL	SYS 100 DG Frame WR	14.223
DR305/2850/****	SYS 100	5.478	DR305/<3200/****/LH	SYS 100 DG Frame WR	14.223
DR305/3300/****	SYS 100	6.343	DR305/<3200/****/RH	SYS 100 DG Frame WR	14.223
DR306/3000/****	SYS 100	3.498	DR305/<3200/****/DD	SYS 100 DG Frame WR	16.145
MP01A/3000/****	SYS 68 & 100	1.764	DR305/<2750/****/BL	SYS 100 DG Frame WR	12.877
MP02A/3000/****	SYS 68 & 100	0.843	DR305/<2750/****/LH	SYS 100 DG Frame WR	12.877
MP03A/3000/****	SYS 68 & 100	0.927	DR305/<2750/****/RH	SYS 100 DG Frame WR	12.877
MP04/3000/****	SYS 68 & 100	0.603	DR305/<2750/****/DD	SYS 100 DG Frame WR	14.799
MP05/3000/****	SYS 68 & 100	2.244	DR305/<2150/****/BL	SYS 100 DG Frame WR	10.187
MP06/3000/****	SYS 68 & 100	1.296	DR305/<2150/****/LH	SYS 100 DG Frame WR	10.187
SG203/2250/****	SYS 100	5.522	DR305/<2150/****/RH	SYS 100 DG Frame WR	10.187
SG203/2850/****	SYS 100	6.994	DR305/<2150/****/DD	SYS 100 DG Frame WR	12.109
SG203/3300/****	SYS 100	8.098	DG106/<3200/****/BL	SYS 100 DG Frame	18.056
SL301/3000/****	SYS 100	2.973	DG106/<3200/****/LH	SYS 100 DG Frame	18.056
SL302/3000/****	SYS 100	5.730	DG106/<3200/****/RH	SYS100 DG Frame	18.056

SL303/3000/****	SYS 100	2.148	DG106/<3200/****/DD	SYS 100 DG Frame	20.496
SYS100/DF/2250/****	SYS 100	4.349	DG106/<2750/****/BL	SYS 100 DG Frame	16.348
SYS100/DF/2850/****	SYS 100	5.509	DG106/<2750/****/LH	SYS 100 DG Frame	16.348
SYS100/DF/3300/****	SYS 100	6.379	DG106/<2750/****/RH	SYS 100 DG Frame	16.348
SYS100/DG/3000/****	SYS 100	4.530	DG106/<2750/****/DD	SYS 100 DG Frame	18.788
SYS100/DG/C/3000/****	SYS 100	3.480	DG106/<2150/****/BL	SYS100 DG Frame	12.932
SYS100/HT/3000/****	SYS 100	3.210	DG106/<2150/****/LH	SYS 100 DG Frame	12.932
SYS100/SG/3000/****	SYS 100	3.810	DG106/<2150/****/RH	SYS 100 DG Frame	12.932
			DG106/<2150/****/DD	SYS 100 DG Frame	15.372

Libra System:

Product Code	Category	Weight/Unit
LS301/3048/****	LS75/100	2.182
LS301/3048/****	LS75/101	2.619
LS311/3658/****	LS75/113	2.787
LS312/3658/****	LS75/117	0.370
LS313/3658/****	LS75/116	0.794
LS315/3658/****	LS75/114	3.351
LS320/2200/****	LS75/102	3.021
LS320/3200/****	LS75/103	4.394
LS350/2438/****	LS75/104	0.295
LS350/2743/****	LS75/105	0.332
LS350/3048/****	LS75/106	0.369
LS350/3658/****	LS75/107	0.443
LS351/3658/****	LS75/108	0.514
LS355/2438/****	LS75/109	0.310
LS355/2743/****	LS75/110	0.348
LS355/3048/****	LS75/111	0.387
LS355/3658/****	LS75/112	0.465
LS372/3658/****	LS75/115	1.769
LS401/3048/****	LS75/118	2.505
LS401/3658/****	LS75/119	3.007
LS411/3658/***	LS75/120	3.362
LS415/3658/***	LS75/121	3.760
LS420/2200/****	LS75/122	3.421
LS420/3200/****	LS75/123	4.976

Mesh Ceilings trims:

Product Code	Category	Weight/Unit
BOARD/NOVA/595X595/****	MESH CEILING	4.710
BOARD/APTUS/595X595/****	MESH CEILING	4.420
BOARD/SCAPE/595X595/****	MESH CEILING	4.200
BOARD/VEXA/595X595/****	MESH CEILING	4.300
BOARD/FINITY/595X595/****	MESH CEILING	4.700
BOARD/NOVA/1195 x 595/****	MESH CEILING	7.920
BOARD/APTUS/1195 x 595/****	MESH CEILING	7.420
BOARD/SCAPE/1195 x 595/****	MESH CEILING	7.060
BOARD/VEXA/1195 x 595/****	MESH CEILING	7.230
BOARD/FINITY/1195 x 595/****	MESH CEILING	7.900

Brakertry trims:

Product Code	Category	Weight /Unit	Product Code	Category	Weight/ Unit
700.2	Glazing Accessories	0.034	SG-UC-180	Glazing Accessories	0.007
700.3	Glazing Accessories	0.042	SG-UC-90	Glazing Accessories	0.007
100-DFB	Glazing Accessories	0.039	SL304	Glazing Accessories	0.018
180 DEGREE CLEAT-A	Glazing Accessories	0.033	SUSPCLIP	Glazing Accessories	0.19
180 DEGREE CLEAT-M4 SCREW-A	Glazing Accessories	0.032	UNITIMHIN	Glazing Accessories	0.26
90 DEGREE CLEAT-M4 SCREW-A	Glazing Accessories	0.032	UNIMINHIN-HD	Glazing Accessories	0.26
90 DEGREE CLEAT-A	Glazing Accessories	0.031	100-DFB	Glazing Accessories	0.04
BBOX100/HANGER BRKT	Glazing Accessories	0.072	DWC-90	Glazing Accessories	0.03
BG403	Glazing Accessories	0.025	GDSK - TYPE 12	Glazing Accessories	0.08
BORDER WEDGE	Glazing Accessories	0.06	GDSK - TYPE 13	Glazing Accessories	0.08
C40 180 DEG CLEAT	Glazing Accessories	0.023	GDSK - TYPE 2	Glazing Accessories	0.08
C40 90 DEG CLEAT	Glazing Accessories	0.023	GDSK - TYPE 4	Glazing Accessories	0.05
CP68/BRKT	Glazing Accessories	0.031	GDSK_A/BB	Glazing Accessories	0.04
DWC-90	Glazing Accessories	0.038	MPA-BRKT	Glazing Accessories	0.01
LOCK BOX/****	Glazing Accessories	0.07	MP-BRKT	Glazing Accessories	0.01
LS1220	Glazing Accessories	0.26	WDSK - TYPE 10	Glazing Accessories	0.08
LS1222	Glazing Accessories	0.1	WDSK - TYPE 11	Glazing Accessories	0.11
LS1225	Glazing Accessories	0.05	WDSK - TYPE 14	Glazing Accessories	0.08
LS1226	Glazing Accessories	0.002	WDSK - TYPE 3	Glazing Accessories	0.04
LS1229	Glazing Accessories	0.11	WDSK - TYPE 5	Glazing Accessories	0.04
MMU BRKT	Glazing Accessories	0.092	WDSK - TYPE 6	Glazing Accessories	0.04
MPA-BRKT	Glazing Accessories	0.01	WDSK - TYPE 7-LH	Glazing Accessories	0.08
MP-BRKT	Glazing Accessories	0.011	WDSK - TYPE 7-RH	Glazing Accessories	0.08
Linear Baffle End Cap (Ass'y)	Glazing Accessories	0.13	WDSK - TYPE 8-LH	Glazing Accessories	0.08
Linear Baffle End Cap (A)	Glazing Accessories	0.05	WDSK - TYPE 8-RH	Glazing Accessories	0.08

Linear Baffle End Cap (B)	Glazing Accessories	0.08	WDSK - TYPE 9	Glazing Accessories	0.08
SB100/BRKT/MILL	Glazing Accessories	0.023	WDSK_A/BB	Glazing Accessories	0.09
SG-CMB	Glazing Accessories	0.034			
SG-CMB-HD	Glazing Accessories	0.03			
SG-DFB-HD	Glazing Accessories	0.034			
SG-DFB-LH/RH	Glazing Accessories	0.024			
SG-ENDCAP/****	Glazing Accessories	0.011			
SG-HTC-135	Glazing Accessories	0.013			
SG-HTC-180	Glazing Accessories	0.012			
SG-HTC-90	Glazing Accessories	0.015			
SG-UC-135	Glazing Accessories	0.006			

Gaskets and Accessories

Product Code	Category	Weight /Unit	Product Code	Category	Weight/ Unit
DFS10/3000/BLK	Glazing Accessories	0.048	SG-CHAIR/3600/BLACK	Glazing Accessories	0.79
DFS10/3000/CLEAR	Glazing Accessories	0.048	WG10B	Glazing Accessories	6.1
DFS12/3000/BLK	Glazing Accessories	0.048	WG10C	Glazing Accessories	6.1
DFS12/3000/CLEAR	Glazing Accessories	0.048	WG12B	Glazing Accessories	7.45
DFS14/3000/BLACK	Glazing Accessories	0.0432	WG12C	Glazing Accessories	7.45
DFS14/3000/CLEAR	Glazing Accessories	0.0384	SG/DG C-SEAL/1000/BLACK	Glazing Accessories	0.0296
DG-BEAD/3600/BLACK	Glazing Accessories	0.23	SG/DG C-SEAL/3000/BLACK	Glazing Accessories	0.088
DG-CHAIR/3600/BLACK	Glazing Accessories	0.85			
GJ135-12 CLEAR	Glazing Accessories	0.12			
GJ180-10 BLACK	Glazing Accessories	0.11			
GJ180-10 CLEAR	Glazing Accessories	0.11			
GJ180-12 BLACK	Glazing Accessories	0.12			
GJ180-12 CLEAR	Glazing Accessories	0.12			
GJ180A-10 BLACK	Glazing Accessories	0.1			
GJ180A-10 CLEAR	Glazing Accessories	0.1			
GJ180A-12 BLACK	Glazing Accessories	0.13			
GJ180A-12 CLEAR	Glazing Accessories	0.13			
GJ90-10 BLACK	Glazing Accessories	0.145			
GJ90-10 CLEAR	Glazing Accessories	0.142			
GJ90-12 BLACK	Glazing Accessories	0.185			
GJ90-12 CLEAR	Glazing Accessories	0.185			
GJH-SECTION-10 CLEAR	Glazing Accessories	0.102			
GJH-SECTION-12 CLEAR	Glazing Accessories	0.173			
GKT8X4	Glazing Accessories	0.033			
GKT8X6	Glazing Accessories	0.05			
SG01-4GT-BLACK	Glazing Accessories	3.4			

SG01-4GT-CLEAR	Glazing Accessories	3.4			
SG01-5GT-BLACK	Glazing Accessories	5.96			
SG01-5GT-CLEAR	Glazing Accessories	5.96			
SG03/PVCLF/1000/BLACK	Glazing Accessories	0.0896			
SG03/PVCLF/1000/CLEAR	Glazing Accessories	0.0816			
SG03-PVC-BLACK-LF	Glazing Accessories	0.2688			
SG03-PVC-CLEAR-LF	Glazing Accessories	0.2448			
SG03-PVC-LF-2FIN/BLACK	Glazing Accessories	0.0815			
SG03-PVC-LF-2FIN/CLEAR	Glazing Accessories	0.0845			
SG-BEAD/3600/BLACK	Glazing Accessories	0.41			

Example Calculation:

To calculate the environmental impacts for 'CE01/3000/****' product (0.666 kg/unit), the EPD users should multiply the environmental impacts in the EPD by the weight of 'CE01/3000/****' product, then divided by the weight in this average EPD. e.g., GWP total (A1 to A3) = 17.4 x 0.666/0.9457 = 12.3 kg CO2 eq/unit for 'CE01/3000/****' product. Please see the table below for the results of the 'CE01/3000/****' product.

Parameters describing environmental impacts

			GWP-total	GWP-fossil	GWP-biogenic	GWP-luluc	ODP	AP	EP-freshwater
			kg CO_2 eq	kg CO_2 eq	kg CO_2 eq	kg CO_2 eq	kg CFC11 eq	mol H^+ eq	kg $(PO_4)^{3-}$ eq
Product stage	Raw material supply	A1	1.05E+01	1.05E+01	-2.74E-02	2.89E-02	4.06E-07	6.96E-02	3.56E-03
	Transport	A2	1.61E+00	1.61E+00	1.37E-03	6.33E-04	3.73E-07	6.58E-03	1.04E-04
	Manufacturing	A3	1.51E-01	1.43E-01	6.98E-03	1.55E-04	1.17E-08	5.13E-04	3.09E-05
	Total (Consumption grid)	A1-3	1.23E+01	1.23E+01	-1.91E-02	2.97E-02	7.89E-07	7.68E-02	3.69E-03