

Statement of Verification

BREG EN EPD No.: 000356 Issue 01

This is to verify that the

Environmental Product Declaration provided by:

Brett Martin Daylight Systems

is in accordance with the requirements of:

EN 15804:2012+A1:2013

BRE Global Scheme Document SD207

This declaration is for:

Brett Martin Flat Glass Rooflight on 150mm PVC Kerb

Company Address

Sandford Close **Dutton Road** Aldermans Green Industrial Estate Coventry CV2 20U



Emma Baker Operator

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07 April 2026

BRE/Global

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BRE Global Ltd., Garston, Watford WD25 9XX

T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: Enquiries@breglobal.com





Environmental Product Declaration

EPD Number: 000356

General Information

EPD Programme Operator	Applicable Product Category Rules
BRE Global Watford, Herts WD25 9XX United Kingdom	BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013
Commissioner of LCA study	LCA consultant/Tool
Brett Martin Daylight Systems Sandford Close Dutton Road Aldermans Green Industrial Estate Coventry CV2 2QU	BRE LINA
Declared Unit	Applicability/Coverage
1m2 of Brett Martin Flat Glass rooflight on 150mm	Product Average.
PVC kerb. Weighing 51.67kg/m ²	
EPD Type	Background database
	Background database Ecoinvent v3.2 & BRE LINA database V2.0.73
EPD Type Cradle to Gate with options	
EPD Type Cradle to Gate with options Demonstra	Ecoinvent v3.2 & BRE LINA database V2.0.73
EPD Type Cradle to Gate with options Demonstra CEN standard EN 15	Ecoinvent v3.2 & BRE LINA database V2.0.73
EPD Type Cradle to Gate with options Demonstra CEN standard EN 15 Independent verification of the declarate Internal (Where appropri	Ecoinvent v3.2 & BRE LINA database V2.0.73 Ition of Verification 5804 serves as the core PCR a ation and data according to EN ISO 14025:2010

Comparability

Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A1:2013. 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+A1:2013 for further guidance



Information modules covered

	D		0		Use stage					End of Ma			Benefits and loads beyond			
	Produc	τ	Const	ruction	Related to the building fabric			Related to the building			End-of-life			the system boundary		
A1	A2	А3	A4	A5	B1	B2	В3	B4	B5	В6	В7	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
V	V	V	$\overline{\mathbf{A}}$	$\overline{\mathbf{Q}}$											$\overline{\checkmark}$	

Note: Ticks indicate the Information Modules declared.

Manufacturing site

Brett Martin Daylight Systems Sandford Close Dutton Road Aldermans Green Industrial Estate Coventry CV2 2QU	
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Construction Product

Product Description

Brett Martin Flat Glass rooflights are Aluminium framed flat glass rooflights intended for installation on flat roofs of all modern building types to provide natural daylight.

Technical Information

Property	Value, Unit
U - Value	1.1 W/m2K
Light Transmission	76%
Total transmittance (g Value)	0.60
Safety requirements	NPD – Performance to CWCT TN67 declared separately
Roof pitch	2°-15°



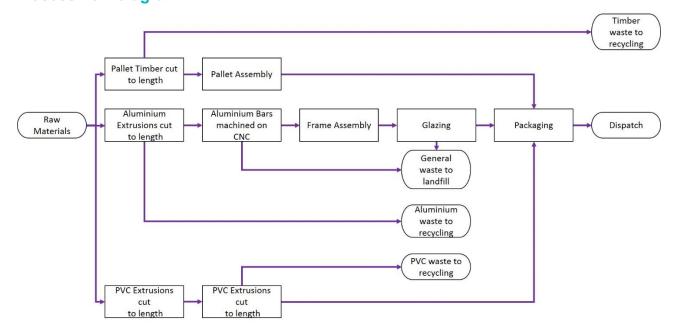
Main Product Contents

Material/Chemical Input	%
DGU	66.0
Aluminium	13.4
PVC	18.0
Foam tapes/adhesives/sealants	0.8
Stainless Steel	1.2
Stainless Steel fixings	0.6

Manufacturing Process

Extruded Aluminium Profile is cut to length, the profile is machined using a 4-axis CNC machine and assembled into a complete Rooflight frame. The Aluminium framework is then glazed with an Argon sealed Double Glazed Glass unit before being weather sealed, packaged with installation fixings sent out to the customer.

Process flow diagram



Construction Installation

Brett Martin Flat Glass rooflights on a PVC kerb have 2 main installation phases.

1) The PVC kerb is fixed to the roof. The installer is required to seal the kerb to the roof using silicone (not supplied) the kerb is then fixed to the roof using the supplied screws. The roof covering should then be installed up to 150mm lip on PVC kerb. The environmental impact of the roof covering is not covered by the scope of this EPD.



2) Secondly the glass unit is side fixed to the kerb using the supplied screws, the heads of these screws are then covered using colour matched nylon plastic caps.

The product supplied is custom made to size and is therefore there is no installation wastage on site. Fixings are supplied by Brett Martin and in some scenarios there are leftover screws, which have been taken into account for in the waste section of A5.

Use Information

The general condition of glass rooflights, and the security of fixings and sealants should be checked periodically as part of the overall maintenance program for the structure into which they are incorporated. If a rooflight is found to be damaged it must be replaced in accordance with the original specification. A regular cleaning programme will enhance the appearance and help retain the functional properties of the rooflight. Cleaning should occur at least every 12-18 months or more frequently depending on local environment.

Declared unit description

1m2 of Brett Martin Flat Glass rooflight on 150mm PVC kerb. Weighing 51.67 kg/m². All analysis undertaken are based on data for rooflights with a roof opening between 1m² and 2m², for rooflights outside of this area please use the following scaling factors:

0-1m² – Multiply results by 1.41 1-2m² – Multiply results by 1.00 2+ m² – Multiply results by 0.86

System boundary

This is a cradle to gate with options EPD (i.e. processes covered in the extraction and processing in modules A1 to A3), the construction stage in modules A4 and A5 and end of life scenario in module C4.

Data sources, quality and allocation

Manufacture specific data from BMDS covers a production period of one year from 01/01/2020 to 31/12/2020 from the Coventry site has been used.

BMDS' Coventry factory make a range of rooflights. Where there is no other way to allocate factory wide inputs such as water, general gas, general electricity and general site waste to individual processes then total sales value has been used to apportion the inputs to different departments.

To distribute the environmental impacts associated with these factors to individual products the sales value of that product has been used.

Cut-off criteria

Data collected at the Coventry manufacturing site was used. The inventory process in this LCA includes all data related to raw material, packaging material and consumable items, and the associated transport to the manufacturing site. Process energy and water use and direct production waste are included. Environmental impacts due to administration of the manufacturing process are assumed to be below cut off criteria.



LCA Results

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

Parameters describing environmental impacts										
			GWP	ODP	AP	EP	POCP	ADPE	ADPF	
			kg CO ₂ equiv.	kg CFC 11 equiv.	kg SO₂ equiv.	kg (PO₄)³- equiv.	kg C₂H₄ equiv.	kg Sb equiv.	MJ, net calorific value.	
	Raw material supply	A1	AGG	AGG	AGG	AGG	AGG	AGG	AGG	
Product stage	Transport	A2	AGG	AGG	AGG	AGG	AGG	AGG	AGG	
1 Toduct Stage	Manufacturing	А3	AGG	AGG	AGG	AGG	AGG	AGG	AGG	
	Total (of product stage)	A1-3	1.24E+02	2.39E-05	1.21E+00	3.20E-01	1.84E-01	4.39E-03	3.29E+03	
Construction	Transport	A4	1.36E+00	2.55E-07	6.06E-03	1.59E-03	1.00E-03	3.44E-06	2.10E+01	
process stage	Construction	A5	8.85E+00	1.10E-06	3.24E-02	1.30E-01	5.18E-03	6.65E-05	1.23E+02	
	Use	B1	MND	MND	MND	MND	MND	MND	MND	
	Maintenance	B2	MND	MND	MND	MND	MND	MND	MND	
	Repair	В3	MND	MND	MND	MND	MND	MND	MND	
Use stage	Replacement	B4	MND	MND	MND	MND	MND	MND	MND	
	Refurbishment	B5	MND	MND	MND	MND	MND	MND	MND	
	Operational energy use	B6	MND	MND	MND	MND	MND	MND	MND	
	Operational water use	B7	MND	MND	MND	MND	MND	MND	MND	
	Deconstruction, demolition	C1	MND	MND	MND	MND	MND	MND	MND	
End of life	Transport	C2	MND	MND	MND	MND	MND	MND	MND	
LIIG OF IIIG	Waste processing	СЗ	MND	MND	MND	MND	MND	MND	MND	
	Disposal	C4	3.61E+01	1.86E-07	7.36E-03	1.81E-01	7.47E-03	1.45E-06	1.44E+01	
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND	MND	MND	MND	

GWP = Global Warming Potential; ODP = Ozone Depletion Potential;

AP = Acidification Potential for Soil and Water; EP = Eutrophication Potential;

POCP = Formation potential of tropospheric Ozone; ADPE = Abiotic Depletion Potential – Elements; ADPF = Abiotic Depletion Potential – Fossil Fuels;



Parameters describing resource use, primary energy									
			PERE	PERM	PERT	PENRE	PENRM	PENRT	
			MJ	MJ	MJ	MJ	MJ	MJ	
	Raw material supply	A1	AGG	AGG	AGG	AGG	AGG	AGG	
Product stage	Transport	A2	AGG	AGG	AGG	AGG	AGG	AGG	
Troduct stage	Manufacturing	А3	AGG	AGG	AGG	AGG	AGG	AGG	
	Total (of product stage)	A1-3	1.12E+03	5.53E-03	1.12E+03	3.38E+03	2.62E+02	3.64E+03	
Construction	Transport	A4	3.00E-01	1.01E-06	3.00E-01	2.09E+01	0.00E+00	2.09E+01	
process stage	Construction	A5	1.09E+01	2.30E-03	1.09E+01	9.72E+01	3.18E+01	1.29E+02	
	Use	B1	MND	MND	MND	MND	MND	MND	
	Maintenance	B2	MND	MND	MND	MND	MND	MND	
	Repair	В3	MND	MND	MND	MND	MND	MND	
Use stage	Replacement	B4	MND	MND	MND	MND	MND	MND	
	Refurbishment	B5	MND	MND	MND	MND	MND	MND	
	Operational energy use	B6	MND	MND	MND	MND	MND	MND	
	Operational water use	B7	MND	MND	MND	MND	MND	MND	
	Deconstruction, demolition	C1	MND	MND	MND	MND	MND	MND	
End of life	Transport	C2	MND	MND	MND	MND	MND	MND	
Z.i.a or mo	Waste processing	C3	MND	MND	MND	MND	MND	MND	
	Disposal	C4	1.28E+00	3.24E-06	1.28E+00	1.79E+01	0.00E+00	1.79E+01	
Potential penefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND	MND	MND	

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 nonrenewable 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



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		
	Raw material supply	A1	AGG	AGG	AGG	AGG		
Droduot otogo	Transport	A2	AGG	AGG	AGG	AGG		
Product stage	Manufacturing	A3	AGG	AGG	AGG	AGG		
	Total (of product stage)	A1-3	0.00E+00	0.00E+00	0.00E+00	4.72E+00		
Construction	Transport	A4	0.00E+00	0.00E+00	0.00E+00	4.75E-03		
process stage	Construction	A5	0.00E+00	0.00E+00	0.00E+00	1.13E-01		
	Use	B1	MND	MND	MND	MND		
	Maintenance	B2	MND	MND	MND	MND		
	Repair	В3	MND	MND	MND	MND		
Use stage	Replacement	B4	MND	MND	MND	MND		
	Refurbishment	B5	MND	MND	MND	MND		
	Operational energy use	B6	MND	MND	MND	MND		
	Operational water use	В7	MND	MND	MND	MND		
	Deconstruction, demolition	C1	MND	MND	MND	MND		
Fra at 12	Transport	C2	MND	MND	MND	MND		
End of life	Waste processing	СЗ	MND	MND	MND	MND		
	Disposal	C4	0.00E+00	0.00E+00	0.00E+00	1.88E-02		
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND	MND		

SM = Use of secondary material; RSF = Use of renewable secondary fuels;

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



Other environmental information describing waste categories								
			HWD	NHWD	RWD			
			kg	kg	kg			
	Raw material supply	A1	AGG	AGG	AGG			
Draduot ataga	Transport	A2	AGG	AGG	AGG			
Product stage	Manufacturing	А3	AGG	AGG	AGG			
	Total (of product stage)	A1-3	9.23E+00	1.74E+01	7.68E-03			
Construction	Transport	A4	8.86E-03	1.27E+00	1.44E-04			
process stage	Construction	A5	1.74E+00	3.55E+01	2.49E-04			
	Use	B1	MND	MND	MND			
	Maintenance	B2	MND	MND	MND			
	Repair	В3	MND	MND	MND			
Use stage	Replacement	B4	MND	MND	MND			
	Refurbishment	B5	MND	MND	MND			
	Operational energy use	B6	MND	MND	MND			
	Operational water use	B7	MND	MND	MND			
	Deconstructio n, demolition	C1	MND	MND	MND			
End of life	Transport	C2	MND	MND	MND			
Life of file	Waste processing	С3	MND	MND	MND			
	Disposal	C4	2.13E-02	5.30E+01	1.38E-04			
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	MND	MND	MND			

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



Other enviro	nmental inforr	nation	describing outpu	ut flows – at end	of life	
			CRU	MFR	MER	EE
			kg	kg	kg	MJ per energy carrier
	Raw material supply	A1	AGG	AGG	AGG	AGG
Droduct stogs	Transport	A2	AGG	AGG	AGG	AGG
Product stage	Manufacturing	A3	AGG	AGG	AGG	AGG
	Total (of product stage)	A1-3	0.00E+00	5.01E+00	0.00E+00	0.00E+00
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	B1	MND	MND	MND	MND
	Maintenance	B2	MND	MND	MND	MND
	Repair	В3	MND	MND	MND	MND
Use stage	Replacement	B4	MND	MND	MND	MND
	Refurbishment	B5	MND	MND	MND	MND
	Operational energy use	В6	MND	MND	MND	MND
	Operational water use	В7	MND	MND	MND	MND
	Deconstruction, demolition	C1	MND	MND	MND	MND
Final of life	Transport	C2	MND	MND	MND	MND
End of life	Waste processing	С3	MND	MND	MND	MND
	Disposal	C4	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	MND	MND	MND	MND

CRU = Components for reuse; MFR = Materials for recycling MER = Materials for energy recovery; EE = Exported Energy



Scenarios and additional technical information

Scenarios and addi	tional technical information						
Scenario	Parameter	Units	Results				
	Brett Martin Flat Glass units are sent to customers via a pallet courier						
	Fuel type / Vehicle type	vehicle type	Lorry, Unknown				
A4 – Transport to the building site	Distance	km	200				
	Capacity utilisation	%	26				
	Diesel consumption	l/km	0.227				
	The following wastages and ancillary materials are as installation on site. There is no installation wastage of to customer requirements. Average wastage of suppliconsidered. All waste is assumed to go to landfill.	the product as the	ey are made				
	Silicon sealant	kg per F.U.	0.396				
	Stainless fixing screws	kg per F.U.	0.491				
A5 – Installation in	Nylon cover caps	kg per F.U.	0.032				
the building	Glazing packers	kg per F.U.	1.247				
	Waste – Pallet	kg per F.U.	49.526				
	Waste – Stainless fixing screws	kg per F.U.	0.0469				
	Waste – Nylon cover caps	kg per F.U.	3.957E-05				
	Waste – Glazing packers	kg per F.U.	0.776				
	The end of life of the product takes into account modu parts of the rooflight can be recycled. However for the worst case environmental impacts it is assumed that a to landfill	purpose of calcul	lating the				
	Unit disposal	kg per F.U.	51.67				
C1 to C4 End of life	Fixings at end of life	kg per F.U.	0.444				
	Cover caps at end of life	kg per F.U.	0.0318				
	Sealant at end of life	kg per F.U.	0.396				
	Glazing packers at end of life	kg per F.U.	0.471				



References

BSI. Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products. BS EN 15804:2012+A1:2013. London, BSI, 2013.

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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