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t/a Saint-Gobain Weber

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Environmental Profile Certificate
17/EP1005
Product Sheet 3

WEBER RENDERS

webertherm M1 External Wall Insulation Render

This Environmental Profile Certificate relates to webertherm M1 external wall insulation render manufactured at Saint-Gobain Weber Telford.

Building Element Information

1 m² of external wall comprising: webertherm M1 external wall insulation render system, 140 mm lightweight solid blockwork, plasterboard on battens, paint.

Building type ⁽¹⁾	Ecopoint score	Green Guide Rating ⁽¹⁾
All	0.493	A+

(1) 2008 BRE Global Green Guide.

Environmental Profile — Cradle-to-Grave for the building element

This environmental profile relates to the above building element over a 60-year study period.

Embodied environmental impact	Characterised data per m ²		Ecopoint weighted value
	Unit	Value	
Climate change ⁽¹⁾	kg CO ₂ eq (100yr)	98	0.17
Water extraction ⁽²⁾	m ³	0.89	0.028
Mineral resource extraction	tonne	0.21	0.084
Stratospheric ozone depletion	kg CFC-11 eq	0.00015	0.0064
Human toxicity to air and water	kg 1,4-DB eq	28	0.012
Ecotoxicity to fresh water	kg 1,4-DB eq	3.9	0.026
Nuclear waste (higher level)	m ³ high level waste	0.0000001	0.035
Ecotoxicity to land	kg 1,4-DB eq	0.15	0.0096
Waste disposal	kg	44	0.092
Fossil fuel depletion	MJ	1800	0.021
Eutrophication (EP)	kg PO ₄ eq	0.068	0.0064
Photochemical ozone creation (PCOC)	kg ethane eq	0.15	0.0014
Acidification of land and water sources (AP)	kg SO ₂ eq	0.9	0.00065

(1) Climate change can also be referred to as 'Embodied carbon' or 'Global warming'.

(2) Water extraction can also be referred to as 'Embodied water'.

The BBA (British Board of Agrément) has issued this Environmental Profile Certificate to the company named above for the system described herein.

On behalf of the BBA

Date of First issue: 27 April 2017

Simon Wroe
 Head of Approvals — Engineering

Claire Curtis-Thomas
 Chief Executive

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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Product Information

Environmental Profile — Cradle-to-Gate for the product

This environmental profile relates to webertherm M1 only, when used at a rate of 20 kg of product per m².

Embodied environmental impact	Characterised data per m ²		Ecopoint weighted value
	Unit	Value	
Climate change ⁽¹⁾	kg CO ₂ eq (100yr)	7.2	0.013
Water extraction ⁽²⁾	m ³	0.07	0.0022
Mineral resource extraction	tonne	0.022	0.0087
Stratospheric ozone depletion	kg CFC-11 eq	0.0000062	0.00026
Human toxicity to air and water	kg 1,4-DB eq	1.44	0.00062
Ecotoxicity to fresh water	kg 1,4-DB eq	0.24	0.0015
Nuclear waste (higher level)	m ³ high level waste	6.8E-09	0.0023
Ecotoxicity to land	kg 1,4-DB eq	0.0174	0.0011
Waste disposal	kg	1.48	0.0031
Fossil fuel depletion	MJ	120	0.0014
Eutrophication (EP)	kg PO ₄ eq	0.0036	0.00034
Photochemical ozone creation (PCOC)	kg ethane eq	0.0056	0.000052
Acidification of land and water sources (AP)	kg SO ₂ eq	0.038	0.000027
Ecopoint score (Product)			0.034

(1) Climate change can also be referred to as 'Embodied carbon' or 'Global warming'.

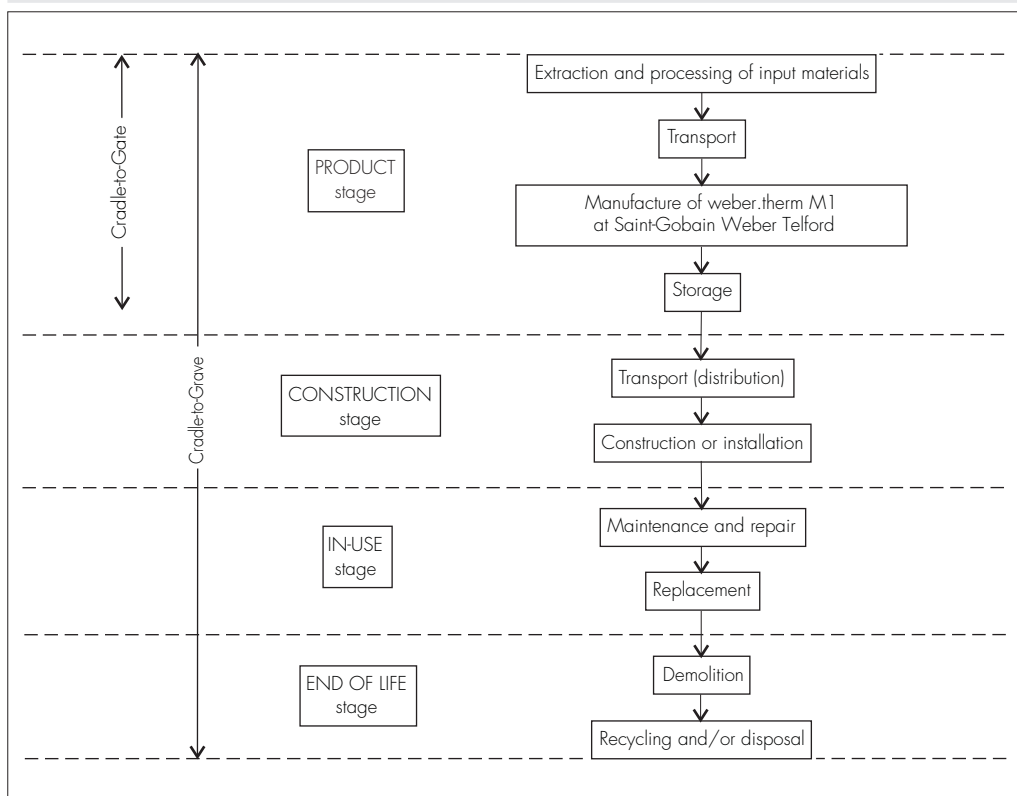
(2) Water extraction can also be referred to as 'Embodied water'.

Methodology

This environmental profile has been calculated using the BBA Environmental Profile Methodology, under licence using 2008 BRE Global Environmental Profiles Methodology and underpinning databases.

Boundaries

System boundaries and different stages of Environmental Profiles



Basis of the Calculations

Assumptions used as the basis for the calculations in this Certificate:

Product range	webertherm M1 : Earth, White, Buff, Ivory, Beige, Cream, Pearl grey, Light beige, Sand, Stone grey, Brick red, Granite grey, Light blue, Azure blue, Sage green, Limestone, Mushroom, Rose, Graphite and Cornish.
Site(s)	Saint-Gobain Weber Telford, Shropshire TF7 4LP
Functional unit	1 m ² of external wall construction, to satisfy current building regulations, and a U value of 0.3 W·m ⁻² ·K ⁻¹
Building element	webertherm M1 insulated polymeric render system, 140 mm lightweight solid blockwork with cement mortar plasterboard on battens, paint
Application rate	20 kg of product per m ²
Service life of product	50 years, as per the 2008 BRE Global Green Guide. This may differ from the durability quoted in a BBA Certificate for the product due to the different methodologies and parameters employed.
Ecopoint score	Score for the overall environmental impact of a product within a building element based on the UK weighting system described in the 2008 BRE Global Green Guide and normalised to one Western European Citizen for one year.

Data Sources

Cradle-to-Gate	data has been calculated using Certificate holder's data and has been verified by the BBA.
Cradle-to-Grave	values have been modelled using a theoretical generic model approach for generic renders (BRE Global Green Guide 2008) including: <ul style="list-style-type: none">• Transport – Gate-to-Installation site — generic model for cementitious renders (Other building materials, BRE Global Green Guide 2008) for distribution within the UK (including transport from Northern Ireland to mainland UK)• Installation — plaster/render: rough cast render — dry dashed/wet dashed — 8.3% wastage model (BRE Global Green Guide 2008)• Maintenance — no maintenance model has been used.• End of life — generic end-of-life disposal route model for the percentage of material sent to each disposal route (landfill, incineration, recycling and reuse) for concrete from construction, demolition and refurbishment (BRE Global Green Guide 2008)• Service life — 50 years, BRE Global Green Guide 2008.

Other Information

BBA Certificate

webertherm XP has been awarded BBA Certificate 09/4670 (pdf can be viewed on www.bbacerts.co.uk)

Environmental Management System (EMS) / ISO 14001

The environmental management systems for Saint-Gobain Construction Products UK Ltd, Telford, Shropshire TF7 4LP, have been assessed and registered as meeting the requirements of BS EN ISO 14001 : 2004 by BSI under Certificate No EMS641233.

Quality Management System (QMS) / ISO 9001

The quality management systems for Saint-Gobain Construction Products UK Ltd, Telford, Shropshire TF7 4LP, have been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2000 by BSI under Certificate No FM641234

Conditions of Certification

Conditions

This Certificate:

- relates only to the product/system that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page — no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

In issuing this Certificate, the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- actual installations of the product/system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to CE marking.

Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.