

Environmental Profile Certification

The BBA can now offer Environmental Profile Certification of construction products in response to the increasing demand from manufacturers for independent endorsement of environmental declarations and the increasing Government awareness of environmental issues, legislation and publication of documents such as the Green Guide and the Code for Sustainable Homes.

Environmental Profile Certificates consist of two sections *Environmental Profiles* and *Additional Environmental Information*.

Environmental Profiles

This includes characterised data and eco-points per functional unit of a building element, for example, a square metre of installed wall. These profiles are calculated using a methodology based on the BS EN 14040 series of Standards and the BRE environmental profiles methodology.

This satisfies the demand from the industry for harmonisation of life cycle assessment and environmental profiles calculation methods. It also guarantees comparable results to the BRE eco-points score and consequently, the results can be linked to the Green Guide.

To calculate an environmental profile it is necessary to obtain environmental production data including raw materials, energy and water usage, and management of waste. A production flow chart is also required.


The information should include, preferably 12 months production data (minimum 3 months) and be supported with objective evidence to substantiate all of the documentation, e.g. utility bills, delivery notes and waste transfer notes.

Additional Environmental Information

This allows the inclusion of verified manufacturer's environmental declarations within the Certificate. Examples of areas that can be covered include; recycled content, comparison to existing Green Guide ratings, environmental benefits in use phase, carbon balance, recyclability and manufacturer's responsibilities, including reference to Environmental Management Systems (for example, BS EN ISO 14001) or Responsible Sourcing.

The BBA's environmental experts will assess and verify any claims made before inclusion in the Environmental Profile Certificate, reassuring users of its validity and relevance.

Cerasa Ltd
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BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION

Environmental Profile Certificate
09/E001

PRODUCT NAME

This Certificate relates to Cerasa Glass Wool insulation to be used as thermal and acoustic insulation manufactured at Ballyclare Ltd, Herefordshire, SW16 5SY.
This Environmental Profile Certificate is an assessment of the product's environmental performance and includes:

- a cradle-to-grave environmental profile per functional unit (m² of building element) over 60-year life study
- information on the physical properties of the product, methodology, data sources, boundaries and models used for profile calculations
- additional information on other environmental aspects of the product and/or its manufacture.

Environmental Profile

| Impact category | Unit | Cradle to grave | | |
|--------------------------|---------------------------------|-----------------|-----------------------------|--------------------------|
| | | Cradle to gate | Cradle to installation site | Maintenance and disposal |
| Climate change | kg CO ₂ eq | | | |
| Ozone depletion | kg CFC ¹¹ eq | | | |
| Acidification | kg SO ₂ eq | | | |
| Pollution to air: | | | | |
| Low-level ozone creation | kg ethane eq | | | |
| Pollution to air: | | | | |
| Human toxicity | kg 1,4-DB eq | | | |
| Pollution to water: | kg 1,4-DB eq | | | |
| Human toxicity | kg 1,4-DB eq | | | |
| Pollution to water: | | | | |
| Ecotoxicity | kg 1,4-DB eq | | | |
| Eutrophication | kg PO ₄ eq | | | |
| Fossil fuel depletion | MJ | | | |
| Raw materials | | | | |
| Mineral extraction | tonne | | | |
| Renewable materials | m ³ | | | |
| Recycled materials | | | | |
| Water extraction | | | | |
| Waste disposal | | | | |
| Landfill | tonne | | | |
| Incineration | m ³ high level waste | | | |
| Nuclear waste | | | | |
| Ecopoints | | | | |

The BBA has awarded this Environmental Certificate to the company named above for the product described herein.
On behalf of the British Board of Agrément

Date of first issue: Vanessa Adell Scientist John Albon Technical Manager

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.bbaccerts.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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