

BRE Global EN 15804 Verified EPD Scheme
Verification Checklist – for website
BF1325a – Rev 1.0

BRE Global	VERIFICATION CHECKLIST	Doc No:	BF1325a
		Revision No:	1.0
Verification of EPD based on BRE Environmental Profiles 2013: Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013		Date:	16/02/15
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BRE Global EN 15804 EPD Verification Scheme – Verification Checklist

BREG EN EPD No.	
Issue	
Type of EPD	
Commissioner of LCA study	
Construction product	
Manufacturer	
LCA Practitioner	
Date of LCA Report	
Applicable Standard	EN 15804:2012+A1:2013. Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products
Applicable PCR	PN514. BRE Environmental Profiles 2013. Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013

This verification checklist shall be available to the EPD owner upon completion of the verification.

A verification report shall be prepared by the verifier based on this checklist, subject to confidentiality requirements as stated in ISO 14025:2010 clause 8.3., and this report shall be made available to any persons upon request, subject to conditions of the Programme Operator.

Verification Checklist

The following checklist, made up of Parts A and B, forms the basis for the verification process and the resulting Verification Report as required by ISO 14025:2010 clause 8.1.4. In the checklist, the verifier shall indicate compliance by stating Yes or No (Y/N) in the 'Compliant?' column. The Verifier shall include justification/comments as required in the checklist. Also, where non-compliance has been recorded an explanatory comment shall be included in the checklist accordingly:

Part A: The LCA study and project report

Item	Aspect
1	General
1.1	LCA Report includes a statement that the study has been conducted according to the requirements of EN 15804 and the BRE PCR (PN514).
2	Goal of study
2.1	Goal of the study, intended application and audience stated, e.g. for b-2-b or b-2-c.
3	Scope of study
3.1	Product description provided, including composition, manufacturing flow process, technical and functional characteristics, and area of intended application in a building.
3.2	Declared or functional unit defined, including relevant technical specification stated.
3.3	Calculation rules for, and representativeness of average data stated, if applicable.
3.4	System boundary according to modular approach stated, including omissions of life cycle stages and processes.
3.5	Quantification of energy and material inputs and outputs, and allocation of site-wide data.

Item	Aspect
3.6	Mass balance calculation details.
3.7	Assumptions about electricity production and other relevant background data stated.
3.8	Cut-off criteria for initial inclusion or exclusion of inputs and outputs stated.
4	Life cycle inventory (LCI) analysis
4.1	Detailed description of unit processes necessary to model the declared life cycle stages, taking into account the provisions of EN ISO 14025 regarding data confidentiality.
4.2	Sources of all data or literature including process names and database used.
4.3	Validation of data, including data quality assessment and treatment of missing data provided.
4.4	Allocation principles and procedures, including documentation and justification of allocation procedures and uniform application of allocation procedures, provided.
5	Life cycle impact assessment (LCIA)
5.1	LCA Report includes the LCIA procedures, calculations including plans showing processes, flow names and quantities, e.g. screen shots from LCA software, and the results of the study.
5.2	Relationship of the LCIA results to the LCI results provided, e.g. using graphs or networks showing processes for key environmental impact parameters.
5.3	LCA Report includes references to all characterization models, characterization factors and methods used, as defined in EN 15804:2012+A1:2013.
5.4	LCA Report includes a statement that the LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.
6	Life cycle interpretation

Item	Aspect
6.1	LCA Report includes the assumptions and limitations associated with the interpretation of results
6.2	The range of the variation of the LCIA results has been described, if generic data are declared from several sources or for a range of similar products, e.g. by showing the standard deviation for the indicators.
6.3	Full transparency in terms of value-choices, rationales and expert judgements.
7	Additional documentation
7.1	Documentation on additional environmental information provided, where declared in the EPD, such as laboratory results or measurements for the content declaration and for functional/technical performance.
7.2	Documentation on declared technical information on life cycle stages that have not been considered in the LCA of the construction product and that will be used for the assessment of buildings (e.g. transport distances, RSL according to Annex A of EN 15804:2012+A1:2013, energy consumption during use, cleaning cycles, etc.) provided.
7.3	Laboratory results/measurements for the declaration of emissions to indoor air, soil and water during the product's use stage provided.
8	Additional data
8.1	LCIA results per module of unit processes (e.g. structured according to life cycle stages) provided.
8.2	LCIA results per production plant or product, if generic data is declared from several plants or for a range of similar products, provided.
8.3	Documentation provided that substantiates the percentages or figures used for the calculations in the end-of-life scenario, e.g. references.
8.4	Evidence provided of any sensitivity analysis and error assessment carried out.

Part B: The EPD

Item	Aspect
9	General
9.1	Name of the product, declared/functional unit and life cycle stages covered by the declaration are in line with the LCA Report.
9.2	Name of the declarer and the product manufacturing address(es) covered by the declaration are in line with the LCA Report.
10	Product
10.1	A clear product description provided, in line with that contained in the LCA Report.
10.2	If applicable, details of calculation of averages within a product group provided.
10.3	Brief description of product use provided.
10.4	Relevant technical data and the applicable test standards provided.
10.5	The declared product contents are in line with the product contents in the LCA Report. This shall include any substance listed in the latest 'Candidate List of Substances of Very High Concern for authorisation' if their content exceeds the limits for registration.
10.6	Description of the manufacturing process(es) provided, including a suitable process flow diagram.
10.7	If applicable (i.e. if the life cycle stages/information modules are included in the EPD), information on Construction Installation, Use, Reference Service Life, and End of Life provided.
10.8	Specific details or links to publicly available information supporting the reference service life (if stated) provided.
11	LCA Rules
11.1	Declared/functional unit complies with the requirements of PCR and are in line with the LCA Report.

Item	Aspect
11.2	Description of system boundary provided.
11.3	Source(s) of background data used, data quality (including age of data), and allocation (if any performed), provided and in line with the LCA Report.
11.4	Statement of assumptions and of cut-off criteria or exclusion of inputs and outputs included.
12	LCA Results
12.1	Full declaration of all the indicators required according to the modular approach; INA = indicator not assessed, MNA = module not assessed.
12.2	Results in the EPD are the same as the results in the LCA Report.
13	Scenarios and additional technical information
13.1	Details of the scenarios used for all the applicable declared modules provided.
14	Interpretation
14.1	Brief interpretation of LCA results contained in the EPD (excluding marketing claims) provided. This may include graphs/images showing additional information from results of LCA study.
15	References, Additional documentation
15.1	Full details of all referenced sources of information provided, including relevant Certificates, published laboratory results, publicly available product marketing literature, etc. (Standards may not be included).

Other Verifier Comments

Note: Items 1 – 15 must be complied with, subject to applicability, in order for the EPD to be successfully verified.

Statement of Verification of EPD	Yes/No?
The verifier confirms that this EPD has been verified, according to EN ISO 14025:2010	
Name of verifier:	
Date:	

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BRE Trust

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