

BRE Global EN 15804 Verified EPD Scheme

Verification Checklist – for website

BF1325a

BRE Global	VERIFICATION CHECKLIST	Doc No:	BF1325a
		Revision No:	0.1
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:	11/06/13
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BRE Global EN 15804 EPD Verification Scheme – Verification Checklist

EPD Number	
Type of EPD	
Commissioner of LCA study	
Construction product	
Product manufacturer(s)	
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.

Verification Checklist

The following checklist 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 Compliance column. Supporting comments (justification and reference to appropriate sections of the LCA Report or statement of non-applicability) shall be included in the Comment column. Also, where non-compliance has been recorded an explanatory comment shall also be included in the Comment column accordingly:

Item	Aspect
A. General	
1	The LCA Report includes a statement that the study has been conducted according to the requirements of EN 15804:2012+A1:2013 and the BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013.
B. Goal of study	
2	Goal of the study, intended application and audience stated, e.g. for b-2-b or b-2-c.
C. Scope of study	
3	Product description provided, including composition, manufacturing flow process, technical and functional characteristics, and area of intended application in a building.
4	Declared or functional unit defined, including relevant technical specification stated.
5	The calculation rules for, and representativeness of average data stated, if applicable.
6	System boundary according to modular approach stated, including omissions of life cycle stages and processes.
7	Quantification of energy and material inputs and outputs, and allocation of site-wide data.
8	Mass balance calculation details.
9	Assumptions about electricity production and other relevant background data stated.
10	Cut-off criteria for initial inclusion or exclusion of inputs and outputs stated.
D. Life cycle inventory (LCI) analysis	
11	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.
12	Sources of all data or literature including process names and database used.
13	Validation of data, including data quality assessment and treatment of missing data, provided.

Item	Aspect
14	Allocation principles and procedures, including documentation and justification of allocation procedures and uniform application of allocation procedures, provided.
E. Life cycle impact assessment (LCA)	
15	The 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.
16	The relationship of the LCIA results to the LCI results provided, e.g. using graphs or networks showing processes for key environmental impact parameters.
17	The LCA Report includes references to all characterization models, characterization factors and methods used, as defined in EN 15804:2012+A1:2013.
18	A statement in the LCA Report that the LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.
F. Life cycle interpretation	
19	The LCA Report includes the assumptions and limitations associated with the interpretation of results
20	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.
21	Full transparency in terms of value-choices, rationales and expert judgements.
G. Additional documentation	
22	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.
23	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.
24	Laboratory results/measurements for the declaration of emissions to indoor air, soil and water during the product's use stage.
H. Additional data	
25	LCIA results per module of unit processes (e.g. structured according to life cycle stages) provided.

Item	Aspect
26	LCIA results per production plant or product, if generic data is declared from several plants or for a range of similar products, provided.
27	Documentation provided that substantiates the percentages or figures used for the calculations in the end-of-life scenario, e.g. references.
28	Evidence provided of any sensitivity analysis and error assessment carried out

Other Comments

Note: Items 1 – 28 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:	
Signature:	
Date:	

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BRE Trust

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