

VERIFICATION REPORT FOR EPD OF CONSTRUCTION PRODUCTS

EPD INFORMATION

Registration number of EPD(s): <i>As per EPD Program Operator</i>	Not Relevant
Product name(s):	Cement-bonded particleboards
EPD owner:	CIDEM Hranice, a.s.
Product Category Rules (PCR): <i>Registration number, name and version</i>	EN 15804+ A2:2019 Sustainability of Construction Works: Environmental Product Declarations core rules for the product category of construction products
Validity date of EPD:	21.10.2025
Additional comments:	This is review is not part of any EPD Scheme but follows the EN15804-A2:2019 standard as core PCR.

VERIFICATION STATEMENT

I hereby confirm that, following the checks performed, in accordance with the limits of the scope of our appointment, nothing has come to the verifier's attention to suggest any data errors or deviations from the requirements by the above-referenced Environmental Product Declaration (EPD) and its project report, in terms of

- the underlying data collected and used for the LCA calculations,
- the way the LCA-based calculations has been carried out to comply with the calculation rules described in the reference PCR,
- the presentation of environmental performance included in the EPD, and
- other additional environmental information included in the declaration, if existent

with respect to the procedural and methodological requirements in EN 15804-A2:2019.

I confirm that, in accordance with the limits of the scope of our appointment, the company-specific data has been examined as regards plausibility and consistency. The declaration owner is responsible for its factual integrity and that the product does not violate relevant legislation.

I confirm that I have sufficient knowledge and experience of construction products, the construction industry, relevant standards and the geographical area of the EPD to carry out this verification.

I confirm that I have been independent in my role as verifier in accordance with the requirements in General Programme Instructions, i.e. I have not been involved in the execution of the LCA or in the development of the declaration, and have no conflicts of interest regarding this verification.

Name and organization of verifier:	Dr Hudai Kara, Metsims Sustainability Consulting
Date and location:	22.10.2020, Oxford, United Kingdom
Signature: <i>Add as image or print and sign this document</i>	

VERIFICATION CHECKLIST PART A: CALCULATION RULES FOR THE LIFE CYCLE ASSESSMENT AND REQUIREMENTS ON THE PROJECT REPORT:

The following issues must be checked as a minimum. The check consists of checking if the issue is described in the LCA project report and if it is line with the requirements and guidelines in the applicable reference (EN15804, other standards or PCR). Most issues are mandatory to check, some can be optional.

Any deviations from the requirements should be reported by the verifier. If the issue is in line with the requirements and/or accepted by the verifier, the box “done” can be ticked. If the LCA is already critically reviewed according to ISO 14044 before the verification, no duplications are necessary.

1	GENERAL INFORMATION - AVAILABILITY	MANDATORY (M) / OPTIONAL (O)	REFERENCE	CHECKED AND APPROVED	N/A
1.1	Commissioner of LCA study, LCA practitioner	M	EN15804 ch.8.2	√	☐
1.2	Date of issue of LCA report	M	EN15804 ch.8.2	√	☐
1.3	Statement that the Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804 and applicable PCRs	M	EN15804 ch.8.2 + applicable PCR	√	☐
1.4	Any other independent verification of the data given in the LCI/LCA documentation?	O		√	☐
2	STUDY GOAL – AVAILABILITY OF INFO	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
2.1	Reasons for performing the Life Cycle Assessment	M	EN15804 ch.8.2	√	☐
2.2	Intended application – (e.g. for EPD, databases, publication etc.). Is the LCA designed in such a way that it allows B2B communication for environmental assessments of buildings?	M	EN15804 ch.8.2	√	☐
2.3	Target group (B2B, B2C, ...)	M	EN15804 ch.8.2	√	☐
3	FUNCTIONAL UNIT / DECLARED UNIT – AVAILABILITY OF INFO	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
3.1	Functional / Declared unit, including relevant technical specification	M	EN15804 ch.6.3.1/6.3.2 and/or applicable PCR or additional specific requirements for certain product groups	√	☐
3.2	If product groups (similar products from one manufacturer and/or from different production plants) are formed as averages:	M			
a)	Calculation rules for the formation of averages		EN15804 ch.8.2	√	☐
b)	Representativeness of averages				

4	PRODUCT DESCRIPTION – AVAILABILITY OF INFO	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
4.1	Composition of the product – The level of detail: the main components necessary to understand what type of product is concerned (detailed mass description is not necessary if confidential) <i>Note: It should be settled before the verification how confidential information is dealt with (acc. to provisions ISO 14025)</i>	M	ISO 14025	√	☐
4.2	Description of technical and functional characteristics and area of intended application in the building	M	Applicable PCR	√	☐
4.3	Flow diagram of main production processes and visualization of system boundaries. Level of detail: see 4.1 <i>Note: It should be settled before the verification how confidential information is dealt with (acc. to provisions ISO 14025)</i>	M	ISO 14025	√	☐
5	SYSTEM BOUNDARIES IN ACCORDANCE WITH THE MODULAR DESIGN OF EN 15804	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
5.1	Comprehensive declaration of modules A1 to A3 as a minimum requirement, if necessary as an aggregated module A1- A3	M	EN15804 ch. 6.3.4	√	☐
5.2	A1 to A3: System boundary a) Clear description of what the modules cover b) System boundary to nature (e.g. forest in wood production) c) Use of secondary materials and secondary fuels and waste produced (check end-of-waste state) d) If applicable: Reference to the certificate of the offsetting of CO ₂	M CO ₂ certificates optional	EN15804 ch. 6.3.4.2 and applicable PCR	√	☐

5.3	A1 to A3: Allocation of co-products:	M	EN15804 ch. 6.4.3.2 + annex B.1	✓	☐
	a) Specification of the “end-of- waste state”				
	b) Selection of the allocation factors for co-product allocation				
	c) Justification of specific allocation processes (e.g. if data are not available to allocate according to the EN15804 rules)				
	d) Presentation of the energy and material flows as a result of deviating allocation processes				
5.4	e) No declaration of loads and benefits in Module D from allocation in A1-A3	M	EN15804 ch. 6.3.4.3 and applicable PCR	✓	☐
	A4 to A5 (optional module): Clear description and content of modules				
	Accounting losses in the modules in which they arise (e.g. A4, transport to construction site)				
	B1 to B5 (optional module): Delineation and content of modules				
	B6 and B7 (optional module): Delineation and content of modules				
5.5	C1 to C4 (optional module): Delineation and content of modules	M	EN15804 ch. 6.3.4.5 and applicable PCR	✓	☐
	C3 (optional module): Justification of the “end-of-waste state”				
	a) Existing purpose				
	b) Existing market or demand				
	c) Compliance with technical requirements and legal guidelines				
5.6	d) Fulfills limit values for Substances of Very High Concern (SVHC)				
	C4 (optional module): Carefully check the correct allocation				
	D (optional module): System boundary and contents of Module justified				
	D (optional module): Check if the net flow calculation is done correctly taking into consideration relevant factors, e.g.:				
	a) Processing losses				
5.7	b) Inputs in Modules A1 to A3 (and A4 to B5 if necessary)				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.8	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.9	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.10	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.11	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.12	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
5.13	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
6	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
6.1	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
6.2	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				
	D (optional module): No benefits or loads of allocated co-products				

7	CO ₂ CERTIFICATES	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
7.1	If applicable: Selecting allowable certificates in accordance with the PCR	O	Applicable PCR	√	☐
7.2	If applicable: Offsetting in accordance with the requirements from the individual program operators	O	Applicable PCR	√	☐
8	DESCRIPTION OF THE SYSTEM BOUNDARIES	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
8.1	Transparent description of the system boundaries: a) Representativeness (temporal, geographical, technological) b) Assessment period for each module considered in the Life Cycle Assessment (e.g. one year average, etc.) c) Omissions of life cycle stages, processes and data requests d) Assumptions with regard to energy and electricity production incl. year of reference. It should also be transparent which electricity/energy model is applied as avoided product if energy recovery is included in the optional Module D. e) Assumptions concerning other relevant background data where relevant for the system boundary	M	ISO 14040 EN15804 ch. 8.2	√	☐
9	CRITERIA FOR EXCLUDING INPUTS AND OUTPUTS	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
9.1	Selection of the cut-off criteria, description of application of the criteria and assumptions	M	EN15804 ch.6.3.5 and ch. 8.2 and applicable PCR	√	☐
9.2	List of excluded processes available	M	EN15804 ch. 8.2	√	☐
10	DATA COLLECTION	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
10.1	Data collection, including data quality issues, according to LCA rules	M	ISO 14044:2006, section 4.3.2; Documentation ISO 14040 EN15804, 6.3.6	√	☐
11	DEVELOPMENT OF SCENARIOS AT PRODUCT LEVEL IN MODULES A4-A5-B-C-D	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
11.1	Statement that the scenarios included are currently in use and are representative for one of the most likely scenario alternatives. Check the PCR / program rules if average scenarios are allowed. (preferably no average scenarios for various alternatives)	M	EN15804 ch. 6.3.8 Applicable PCR	√	☐

11.2	Documentation of the relevant technical information, e.g. recycling or reuse rates, with reference to the literature source	M		√	☐
12	SELECTING DATA / BACKGROUND DATA	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
12.1	Selection and use of generic data and background data justified and validity demonstrated	M	EN15804 ch.6.3.6 EN 15941 and applicable PCR	√	☐
12.2	Data as follows: a) < 10 years for background data b) < 5 years for manufacturer's data c) Data manufacturer based on 1 year average d) Time period of 100 years in case of a landfill scenario, longer if relevant e) Technical background complies with physical reality f) Integrity of generic data records, system limit and cut- off criteria for generic data records validity demonstrated	M	EN15804 ch. 6.3.7 EN15941 and applicable PCR	√	☐
12.3	Documentation on data / background data: a) Name of the (background) data record, its source (database, literary source etc.), year of data collection and its representativeness b) Handling missing data c) Assessing data quality	M	EN15941 and Applicable PCR	√	☐
12.4	Manufacturing data should be reproducible, e.g. by available data management systems Random checks could be carried out, or based on importance; some data could be checked in the verification.	O		√	☐
13	ALLOCATIONS	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
13.1	General allocation principles applied (avoidance of allocation, no double counting / omissions, uniform application of the allocation rules etc.)	M	ISO14044:2006 4.3.4	√	☐
13.2	Presentation and justification of allocations in the use of secondary materials or secondary fuels as raw materials	M	EN15804 ch.6.4.3 and 8.2, and applicable PCR	√	☐
13.3	Presentation and justification of allocations in the plant (delineation from other products in a plant)	M		√	☐
13.4	If applicable: Presentation and justification of allocation of multi-input processes (e.g. landfilling or incineration)	M		√	☐

13.5	Co-product allocation correctly applied, see also 5.3	M	EN15804 ch. 6.4.3.2	√	☐
13.6	Documentation of allocation factors used and their (independent) sources	M		√	☐
13.7	Allocation process for reuse, recycling and recovery, check specifically: a) Consistency with other scenarios of waste management b) Conventional average technologies and practices c) Specification and justification of end-of-waste state where applicable d) If applicable (module D): Selecting substituted processes in accordance with the PCR or (if no PCR is available) representative actual processes e) If applicable (substitution in Module D): Calculation of net flows f) Conservative approach, i.e. choice of those scenarios and calculation rules that reflect the highest environmental impacts in comparison to other choices	M	EN15804 ch.6.4.3.3 and applicable PCR	√	☐
13.8	Is there any presentation or expert guess of data sets which do not comply with the allocation principles and description of consequences for the LCA results?	M	Applicable PCR	√	☐
14	LIFE CYCLE MODELING INFORMATION	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
14.1	Transparent presentation of Life Cycle Assessment modelling (for example by tables, screenshots from Life Cycle Assessment software programs etc.)	M	EN 15804 ch.8.4	√	☐
14.2	Clear description how company data are used in which data records in Life Cycle Assessment software programs	M	EN15804 ch.8.4	√	☐
14.3	Assignment of process data to the Life Cycle Assessment modules	M	EN15804 ch.8.4	√	☐
14.4	For several locations/products: Presentation of modelling of all locations and products as well as weighting thereof	M		√	☐
14.5	Plausibility and consistency of data (mass balance, energy balance) Balances on company level and in the life cycle. e.g. Mass balance between reference flow and wastes for cradle to grave data / Mass of non-energetic resources used coherent with the reference flow / CO and CO2 emissions coherent with the mass of fossil energetic resources / check of the sum of non-renewable and renewable parts or between feedstock and fuel parts / Is the energy indicators coherent with the energetic resources used?	M	EN15804 ch.8.4	√	☐
15	PARAMETERS OF THE LIFE CYCLE INVENTORY ANALYSIS AND LIFE CYCLE IMPACT ASSESSMENT	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
15.1	Presentation of the parameters in tabular form for all modules A1 to D Marking unassessed modules as "MNA" (= module not assessed)	M	EN15804 ch..7.2.2 EN15978 ch.12.5	√	☐

15.2	Presentation of the parameters describing environmental impact (7 parameters), the parameters for describing the use of resources (10 parameters), parameters for describing the waste categories (3 parameters) and parameters concerning output material flows (4 parameters)	M	EN15804 ch. 6.5, 7.2.3 –7.2.5	√	☐
15.3	Selection of correct characterisation factors and elimination of long-term emissions (> 100 years)	M	EN15804 ch.8.2 and annex (amendment) and applicable PCR	√	☐
15.4	Justification of characterisation factors applied in case of input/output flows that are not on the list of characterisation factors of the EN15804 and applicable PCR	M		√	☐
15.5	Information on the environmental impacts in the project report: a) Reference to characterisation models and factors b) Statement that the estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks	M	EN15804 ch.8.2	√	☐
16	INTERPRETATION	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
16.1	Interpretation of the results based on a dominance/contribution analysis of selected indicators	O		√	☐
16.2	Relationship between the results of the Life Cycle Inventory Assessment and the results of the Life Cycle Impact Assessment (LCIA)	M	EN15804 ch.8.2	√	☐
16.3	Assumptions and restrictions as regards the interpretation of results in the EPD, in terms of both methods and data	M	EN15804 ch.8.2	√	☐
16.4	Variance from the means of LCIA results must be presented if generic data is provided from several sources or [the results] refer to a number of similar products.	M	EN15804 ch.8.2	√	☐
16.5	Data quality assessment	M	EN15804 ch.8.2 ISO 14040 CEN TR15941 Applicable PCR	√	☐
16.6	Comprehensive transparency as regards value decisions, justifications and expert opinions	M	EN15804 ch.8.2	√	☐
17	ADDITIONAL INFORMATION	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A

17.1	Where relevant to check the documentation: a) Laboratory results/measurements listed in the content declaration b) Laboratory results/measurements listed in the functional/technical performance c) Documentation on the declared technical information on individual life cycle stages not taken into consideration in the construction product's Life Cycle Assessment and applied for evaluation of the building (e.g. transport routes, energy consumption during the usage stage, cleaning cycles etc.) d) Laboratory results/measurements pertaining to the declared emissions in indoor air, soil or water during the use stage	M	EN15804 ch.8.3	√	☐
17.2	Where relevant: ensure that information additional to EN15804 is verified	M	EN15804 ch.8.3	√	☐
18	DOCUMENTATION FOR CALCULATING THE REFERENCE SERVICE LIFE (RSL)	MANDATORY / OPTIONAL	REFERENCE	CHECKED AND APPROVED	N/A
18.1	Necessary if the entire life cycle A1-C4 is declared: Documentation for calculating the reference service life (RSL), should be representative for the declared product	M	EN15804 ch.6.3.3	√	☐

VERIFICATION CHECKLIST PART B: REQUIREMENTS ON THE EPD

This whole section is mandatory to verify. The rules for the EPD format can be found in the EN15804 Section 7 and the EN15942: everything that is included in the master ITM (information transfer matrix), should somewhere be documented in the EPD.

1	FORMAL REQUIREMENTS	REFERENCE	CHECKED AND APPROVED	N/A
1.1	General, EPD includes: a) text “Environmental Product Declaration in accordance with ISO 14025 and EN 15804” b) Statement that “EPD of construction products may not be comparable if they do not comply with EN15804” c) Publisher / program operator, name, address d) Name of declared product e) CPC-code f) Declaration owner / Name and address of manufacturer/association Representativeness of geographical area g) Representativeness with regard to which manufacturer(s) h) Program logo and website i) Date of issue + validity (5 years) j) Variability for average declaration k) Product composition l) Stages omitted, if not full LCA	EN15804 ch. 7.1 Applicable PCR	√	☐
1.2	PCR name, registration number, version and date	Applicable PCR	√	☐
1.3	Demonstration of verification: external ¹ independent verification, name of third party verifier	EN15804 ch.7.1 Table 2	√	☐
1.4	Information on the validity corresponds with the specifications in the project report		√	☐
2	PRODUCT	REFERENCE	CHECKED AND APPROVED	N/A
2.1	The product description is in line with the project report and the product studied, and clear enough described in the EPD to understand what product is declared		√	☐

¹ EN15804 ch.7.2 Table 2 mentions the possibility of internal or external verification. In the ECO Platform external verification is preferred and advised.

2.2	If applicable: Explanations on calculations of averages within a product group	EN15804 ch. 7.1	√	☐
2.3	Specification / identification (picture, name, model)	EN15804 ch.7.1	√	☐
2.4	Indication of the intended use	EN15804 ch.7.1	√	☐
2.5	Relevant technical data (additional information is possible) including RSL if applicable		√	☐
2.6	The test standards to which the technical data are referred to.		√	☐
2.7	A description of the main product components and or materials is provided in accordance with the specifications of the PCR (if available) and LCA project report. As a minimum substances that are listed in the latest "Candidate List of Substances of Very High Concern for authorisation" if their content exceeds the limits for registration	EN15804 ch.7.1	√	☐
2.8	Description of the manufacturing process / all manufacturing processes if several locations are involved	EN15804 ch. 7.1	√	☐
3	LCA RULES	REFERENCE	CHECKED AND APPROVED	N/A
3.1	Information on the declared / functional unit corresponds with the specifications of the PCR (if available)	Applicable PCR	√	☐
3.2	Indication of the EPD type (cradle-to-gate, cradle-to- gate with options, cradle-to-grave)	EN15804 ch. 7.2.2	√	☐
3.3	EPD contains a (simple) flow diagram in accordance with the modular approach	EN15804 ch. 7.2.1	√	☐
3.4	Description of the system boundary (can be simplified, as a picture or in wording) Presentation of assignment of the analysed processes to the life cycle modules		√	☐
3.5	Indication of the key assumptions and estimates for interpretation which are not depicted elsewhere in the EPD		√	☐
3.6	Presentation of the application of cut-off criteria in accordance with the project report		√	☐
3.7	Source of background data used		√	☐
3.8	Indication of the age of background data used		√	☐
3.9	Information on the data collection period and resulting averages		√	☐
3.10	Presentation of the allocations of relevance for calculation in accordance with the minimum requirements of the PCR		√	☐
4	LCA: SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION	REFERENCE	CHECKED AND APPROVED	N/A
4.1	Mandatory for all declared modules > A3: Presentation of the assumptions pertaining to the scenarios of the declared modules in accordance with the project report. Information on undeclared modules is optional.	EN15804 ch. 7.3	√	☐
4.2	If a reference service life is declared in the EPD, presentation of the scenario on which the RSL is based, in accordance with the project report	EN15804 ch.7.3.3.2	√	☐
5	LCA: RESULTS	REFERENCE	CHECKED AND APPROVED	N/A
5.1	Description of the declared / functional unit		√	☐
5.2	Identification of the declared/undeclared modules MNA = module not assessed		√	☐

5.3	Full declaration of all indicators required according to the modular approach INA = indicator not assessed	EN15804 ch.7.2.3, 7.2.4, 7.2.5 and ch.7.5	√	☐
5.4	Compliance of the declared values with the information in the project report		√	☐
5.5	In case of product averages: description of the range / variability of the LCIA results	EN15804 ch.7	√	☐
5.6	Deletion of module columns which are not declared (permissible for the Results part) if program allows		√	☐
5.7	Formatting the table framework and parameter addressed in accordance with the specifications of the PCR or the Program Operator rules		√	☐
6	EVIDENCE FOR TESTS OR CERTIFICATES	REFERENCE	CHECKED AND APPROVED	N/A
6.1	Additional information is provided to indoor air or soil/water, if applicable	EN15804 ch.7.4	√	☐
6.2	Declaration of the relevant evidence. Information where to find this evidence	EN15804 ch.7.2 and applicable PCR	√	☐
7	REFERENCES	REFERENCE	CHECKED AND APPROVED	N/A
7.1	Full indication of all referenced sources (excluding standards already quoted in full and standards concerning evidence)		√	☐

DIALOGUE BETWEEN VERIFIER & EPD OWNER DURING THE VERIFICATION PROCESS

Nº	CHAPTER, ARTICLE, PARAGRAPH, TABLE	TYPE OF COMMENT*	REFERENCE TO CHECKLIST OR PROGRAMME INSTRUCTIONS	VERIFIER COMMENT AND RECOMMENDATION	EPD OWNER ANSWER	FINAL VERIFIER STATEMENT
				LCA Report		
1		Technical	Checklist 4.2	Wood materials have an important place in LCA models due to its biogenic content and negative GWP values. For this reason, it is worth noting which type of wood and the wood chips are the product produced from.	We added information about wood.	OK
2		Technical	Checklist 4.2	It may be useful to provide technical specifications and test standards relevant to the product	Added to par. 4.2	OK
3	Report page 11	Editorial	Checklist 5.1	This EPD is based on system boundary called "gate with modules C1-C4 and module D" according to EN 15 804+A2. This should read "cradle to gate....." I guess.	We rewrote it.	OK
4		Editorial	14.1	The screenshots look very useful, but the texts are definitely not readable. Just for your information. I know you have no option but just for your information.	Thank you for your comment. We tried to make it as good as possible.	OK
5	Report page 31-60	Editorial		Please fix the number formats should be fixed. Please follow 3-significance rules.	We fixed it.	OK
6	Report page 64-31	Editorial		Please make sure you have either dot (.) or commas (,) as decimal separator.	We replaced it.	OK
				EPD Document		
1		Technical	Checklist	It may be useful to provide technical specifications and test standards on the EPD.	Added at the end of Product description.	OK
	Table 4 Page 6	Editorial/ Technical.		Please follow three significance rules when presenting the results. $0.376 = 0.38$. I would suggest not to mix scientific format with x.xxxx format for the same indicators. It reduces readability and comparability. If you stick to the scientific format then please	We changed it.	OK

				try to make the format xx.xE-03; yy.yE-06, zz.zE-09, so that one can follow the difference in impacts from one cycle stage to other.		
		Editorial		Third-party verifier: Hüdai Kara, Metsims Sustainability Consulting, United Kingdom, www.metsims.com	We added it.	OK
	Table 1	Technical		Please use “ND” instead of MND according to the new standard	We changed it.	OK



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22. 10.2020
Oxford, United Kingdom