



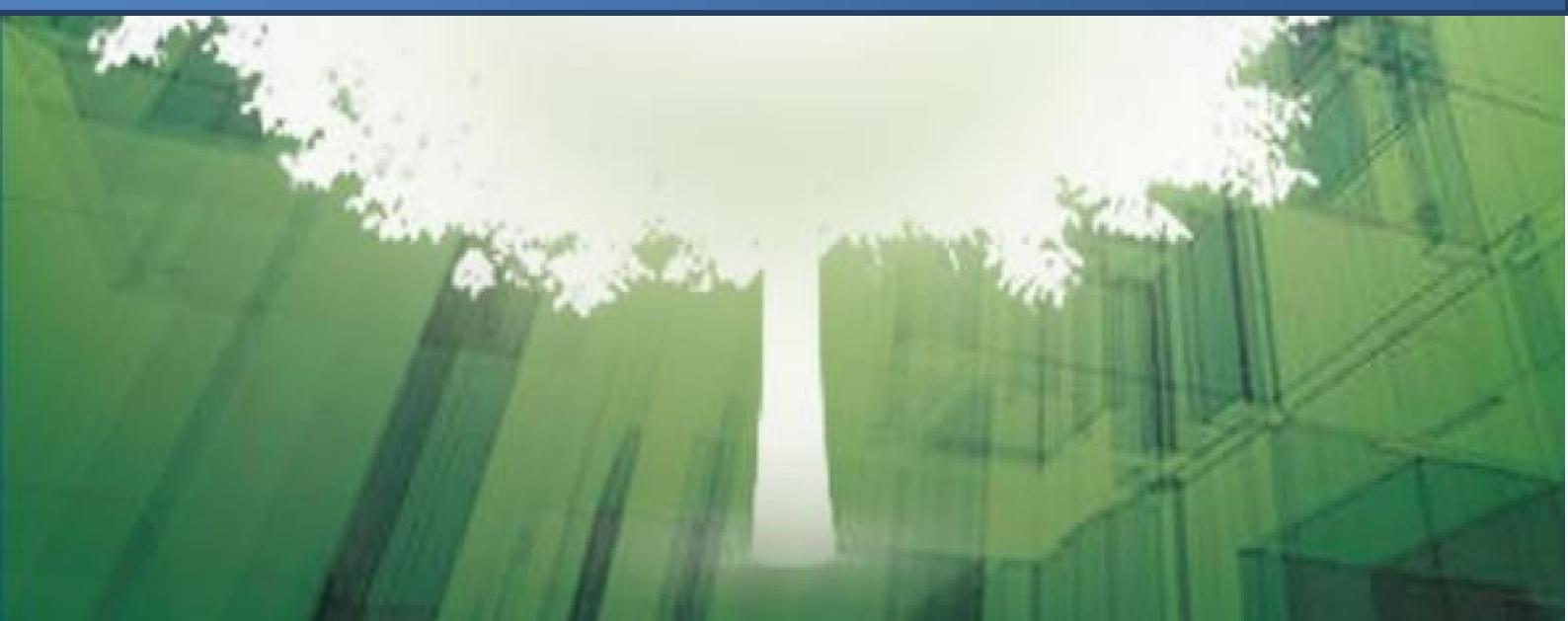
Report on verification of ITB-EPD No. .../202...

Environmental Product Declaration

for

.....

Version 1.7b / 2025





**Report on external verification of the ITB-EPD
Environmental Product Declaration No./202..
for**

Verification statement:

I hereby confirm that, following detailed examination, I have not been able to trace any high level deviations by Environmental Product Declaration, issued for and by its project report from the requirements outlined in the corresponding product category regulations (ITB PCR A) based on EN 15804+A2.

The company-specific data has been examined as regards plausibility and consistency by data audit; the declaration owner is responsible for its factual integrity.

Verifier:

REPORT AND EDP VERIFICATION RANGE

This verification checklist 1.7b (based on V.8.0 of ECO) is applicable for EPDs and reports according to EN 15804:2012+A2:2019/AC:2021. Date of modification: 08.01.2025, validation/use starting at 01.02.2026.

1	<u>General information</u>	<u>Mandatory/optional</u>	<u>Reference</u>	<u>Checked and approved</u>
<u>1.1</u>	<u>Commissioner of LCA study, LCA practitioner</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
<u>1.2</u>	<u>Date of issue of LCA report</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
<u>1.3</u>	<u>Statement that the Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804 and applicable PCR (date and version) and JRC characterization factors (version)</u>	<u>M</u>	<u>EN15804+A2 ch.8.1/8.2 + applicable PCR, Joint Research Center: https://eplca.jrc.ec.europa.eu/LC_DN/EN15804.xhtml</u>	
<u>1.4</u>	<u>Statement of the version of EN15804+A2:2019 used for the study and EPD</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
<u>1.5</u>	<u>Any other independent verification of the data given in the LCI/LCA documentation</u>	<u>O</u>		
2	<u>Study goal</u>	<u>Mandatory/optional</u>	<u>Reference</u>	<u>Checked and approved</u>
<u>2.1</u>	<u>Reasons for performing the Life Cycle Assessment</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
<u>2.2</u>	<u>Intended application – (e.g. for EPD, databases, publication etc.)</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
<u>2.3</u>	<u>Target group (B2B, B2C,)</u>	<u>M</u>	<u>EN15804+A2 ch.8.2</u>	
3	<u>Functional unit / Declared unit</u>	<u>Mandatory/optional</u>	<u>Reference</u>	<u>Checked and approved</u>
<u>3.1</u>	<u>Functional / Declared unit, including relevant technical specification as required in "ECO Platform LCA calculation rules"</u>	<u>M</u>	<u>EN 15804+A2, ch. 6.3.1-6.3.3; Applicable c-PCR; LCA Calculation Rules V2.0, ch. 2.1</u>	
<u>3.2</u>	<u>Indication of a factor for the conversion into kg (or other unit), if applicable</u>	<u>M</u>	<u>EN15804+A2: ch.6.3.2.1 and ch.6.3.3</u>	
<u>3.3</u>	<u>If product groups (similar products from one manufacturer and/or from different production plants) are declared:</u>	<u>M</u>	<u>EN15804+A2: ch.8.2</u>	

	a. Description of the type of the EPD (e.g., average, representative product or worst-case product); b. Rules for the calculation of the declared results and content. c. Representativeness of the declared results and content.			
4	Product description	Mandatory/ optional	Reference	Checked and approved
4.1	Composition of the product in EPD	M	ISO 14025; LCA Calculation Rules V2.0, ch. 2.2	
4.2	Description of technical and functional characteristics and area of intended application in the building. In case of EPD of product group: at minimum qualitative description of the products included and qualitative description of ranges of functions.	M	Applicable European product standard or c-PCR	
4.3	Flow diagram of main production processes.	M	EN 15804+A2: ch.7.2.1	
5	System boundaries in accordance with the modular design of the EN 15804+A2	M	Reference	Checked and approved
5.1	Description of Life Cycle stages/modules declared. Omissions of the life cycle stages declared.	M	EN15804+A2 ch. 5.2 (incl. Figure 1)	
5.2	Comprehensive declaration of modules A1-A3, C and D as a minimum requirement, unless conditions for excluding C and D in EN 15804+A2 ch. 5.2 are met.. If necessary, A1-A3 can be reported. separately or as an aggregated module. Suggestion: A1-A3 must, if declared separately, also be reported in an aggregated column to facilitate comparison	M	EN 15804+A2, ch. 6.3.5; EN 15804+A2, ch. 5.2; LCA Calculation Rules V2.0, ch. 2.3	
5.3	A1 to A3: System boundary <ul style="list-style-type: none">• Clear description of what the modules cover; • System boundary to nature (e.g. in the case of forests between nature and technosphere);• Use of secondary materials and secondary fuels and waste produced (check end-of-waste state);• Fulfilment of requirements regarding offsetting	M	EN15804+A2 ch. 6.3.5.2 ;applicable c-PCR	
5.4	A4 to A5 optional module, thus if covered: Clear description of system boundaries	M	EN15804+A2 ch. 6.3.5.3 and applicable PCR	
5.5	Accounting impact of losses in the modules if they arise	M	EN15804+A2 ch. 6.2.1 and 6.3.5.1 and 6.3.5.3	

5.6	B1 and B7 (optional modules except for EEE construction products, thus if covered): Clear description of system boundaries	M	EN15804+A2 ch. 6.3.5.4; applicable PCR	
5.7	In addition, for Products using energy in module B6 of the use stage and permanently installed into building or infrastructure (defined by the manufacturer): B6 is mandatory for EPDs of products using energy in the use stage. Any maintenance [B2], repair [B3] and replacement [B4] processes which are required to achieve the stated service life of the products using energy in the use stage and emissions in use [B1] shall also be described as technical scenarios in the EPD.	M	LCA Calculation Rules V2.0, ch. 2.10	
5.8	C1 to C4: Description of system boundaries	M	EN15804+A2 ch. 6.3.5.5 and applicable PCR	
5.9	C3 Clear description of the declared scenarios, like: <ul style="list-style-type: none"> • Waste treatment • Materials for recycling • Impacts of recycling processes to achieve end of waste • Justification of the “end-of-waste state” 	M	EN15804+A2 ch. 6.3.5.5 + table 8 + ch. 7.2.4.4 + annex B.1 and applicable PCR	
5.10	C4: Is the complete waste disposal process included in this module, Is its inclusion described transparently and is it plausible? Carefully check the correct allocation for deposition of biogenic material.	M	EN 15804+A2, ch. 6.3.5.5 and ch. 6.3.5.6; LCA Calculation Rules V2.0, ch. 2.33	
5.11	D: System boundary and loads and benefits of all relevant modules shall be clearly described and justified Assumptions with regard to substituted processes in D incl. year of reference (e.g. assumptions with regard to substitution of energy production).	M	EN15804+A2 ch. 6.3.5.6	
5.12	D: Check if the net flow calculation is done correctly taking into consideration relevant factors, e.g.: <ul style="list-style-type: none"> • Processing losses over the whole life cycle (including collection and pre-processing); • Inputs in Modules A1 to A3 (and A4 to B5 if necessary); • The reaching of end-of-waste-state by all waste flows considered in module D. 	M	EN15804+A2 ch. 6.3.5.6 and 6.4.3.3	
5.13	D: No benefits or loads of allocated co-products	M	EN15804+A2 ch. 6.3.6.5 and ch.6.4.3.3	
6	Power mix	Mandatory/ optional	Reference	Checked and approved
6.1	Do the main LCA results in the EPD follow the EPD programme's the choice of the market-based approach? Selection of the power mix in accordance with the applicable rules for electricity modelling. The reference year for the dataset documented.	M	LCA Calculation Rules V2.0, ch. 2.5; EN 15941; applicable PCR	
6.2	Electricity rules if the market-based approach is used for either the main results or for an additional set of results (rules in addition to ISO 14067 and EN	M	Reference	

	15941)			
6.2.1	<p>If Contractual instruments (e.g. GO) have been used: Is there a registry for the Contractual instrument and is the registry a “reliable and transparent book and claim registry”?</p> <p>Validity period of the certificates for contractual instruments (date of purchase must relate to period of production and primary data collection on site) in accordance with the PCR?</p> <p>If these requirements have not been met for contractual instruments, has the residual mix been used?</p>	M	<p>Applicable PCR; LCA Calculation Rules V2.0, ch. 2.5</p>	
6.2.2	For an entity producing more than one product, electricity with contractual instruments shall not be virtually allocated to specific products unless a separate energy supply and contract is in place.	M	LCA Calculation Rules V2.0, ch. 2.5	

6.2.3	<p>Case 1: Manufacturer produces energy on site (is physically linked to plants nearby): Check on electricity amounts from accounts. Check if GOs (or similar) are generated and supplied into the market (in case of (partial) supply into market, respective tracking of amounts used for production of products and/or supply into grid. GoO (informing on sort of power mix and origin/site of energy providers) documents provided?</p> <p>Note 1: Attention: LCA-models for CO₂ figures (or other indicators in the contractual instrument documentation and/or on energy bills may be different from LCA models needed to fulfil EN 15804/ISO 21930 and construction related PCRs/this guidance paper on hand. The figures cannot replace each other.</p> <p>Case 2: Electricity provider chosen from national state with legislation for electricity labelling : Energy mix is found in detail on contracts/bills, registry for proof of origin existing, no residual mix necessary, everything is marked. Check on documentation as required in ECO Platform LCA calculation rules and specifications for EPDs</p> <p>Case 3: Electricity provider chosen from national state with registry Check on documentation as required in the ECO Platform LCA calculation rules and specifications for EPDs</p> <p>Case 4a: Energy provider from national states with no registry (inside EU and EEA).: Check on documentation as required in the ECO Platform LCA calculation rules and specifications for EPDs</p> <p>Case 4b: Energy provider from national states (or federal states) with no registry (outside EU and EEA). Check on documentation as required in the ECO Platform LCA calculation rules and specifications for EPDs</p>	M	ISO 14067; EN 15941; LCA Calculation Rules V2.0, ch. 2.5, table 2	
6.2.4	<p>Background data: have the recommendations of Table 3 in the LCA Calculation rules been applied? Has justification been provided if they have not been followed</p>	O	LCA Calculation Rules V2.0, ch. 2.5	
6.2.5	<p>If location-based modelling is used for the main results or is used to provide results as additional information, have the requirements from LCA Calculation Rules 2.5.1 and Table 2 been implemented? Has the national consumption mix been used (except for Australia, Brazil, Canada, China, India, and USA sub-national consumption mix shall be used)?</p>	M	Applicable PCR LCA Calculation Rules V2.0, ch. 2.5.1, Table 2	

6.2.6	<p>Reporting and communication done as required in EN 15941:2024 and the LCA Calculation Rules. The report clearly states which approach [market-based or location-based] has been used for electricity for any modelling and results.</p> <p>The required documentation is provided, and meets the requirements of the Calculation Rules, for:</p> <ul style="list-style-type: none"> - Any on-site generated electricity - Any directly connected electricity - Any electricity supplied for Case 2 - Any use of contractual instruments - The calculation of the residual mix <p>The modelling of electricity [datasets used, reference year, GWP/kWh] in the foreground system has been described and meets the requirements of the calculation rules</p>	M	EN 15941; LCA Calculation Rules V2.0, ch. 2.5	
6.3	Biogas	M	EN 15941 annex E2.3	
6.3.1	<p>ITB allows the calculation of Biogas (the market-based approach):</p> <p>Are the LCA Calculation rules for any on-site generated biogas or directly connected biogas met?</p> <p>Is the supplier able to guarantee that any contractual instrument meets the requirements for tracking and traceability, see EN 15941 E.2.1.</p> <p>For gas purchased without contractual instruments, has the residual mix been applied?</p>	M	EN 15941, Annex E2.1 and E2.33; LCA Calculation Rules V2.0, ch. 2.5.2	
6.3.2	<p>If a PO does not allow the calculation of Biogas (the location-based approach):</p> <p>Has the consumption mix been used for gas from the gas network, and any biogas from a directly connected supplier and/or internally generated biogas been modelled based on the supplied gas?</p>	M	LCA Calculation Rules V2.0, ch. 2.5.2	
6.3.3.	<p>Additional information for transparency given as stated in the ECO Platform LCA Calculation Rules</p> <p>The report clearly states which approach [market-based or location-based] has been used for biogas for any modelling and results.</p> <p>The required documentation is provided, and meets the requirements of the Calculation Rules, for:</p> <ul style="list-style-type: none"> - Any on-site generated biogas - Any directly connected biogas - Any use of contractual instruments - The calculation of the residual mix <p>If gas accounts for more than 30 % of the total energy use in stage A1-A3, provide in the Project Report, the GWP-total of the applied gas mix in kg CO2e/MJ, e.g. of any gas purchased with contractual instruments or biogas used in the foreground manufacturing processes, and any other processes which the manufacturer has direct control over</p>	M	LCA Calculation Rules V2.0, ch. 2.5.2; EN 15941, Annex E 2.8.1	

7	Criteria for excluding inputs and outputs	Mandatory/ optional	Reference	Checked and approved
7.1	Selection of the cut-off criteria, description of application of the criteria and assumptions in line with standard and PCR? (Note: A complete mass balance is normally not possible without high effort. This is why cut-off decisions are often based on assumptions about the effect of the flow that has been cut off).	M	EN15804+A2: ch. 6.3.6 and ch. 8.2 and applicable PCR	
7.2	List of excluded processes declared	M	EN15804+A2 ch. 8.2	
8	Data collection, electing background data	Mandatory/ optional	Reference	Checked and approved
8.1	Selection and use of background data (specific and/or generic) justified and validity demonstrated	M	EN15804+A2: ch. 6.3.7 EN 15941 and applicable PCR	
8.2	Data collection, including data quality issues, according to LCA rules: <ul style="list-style-type: none"> Assessment period for each module considered in the Life Cycle Assessment (e. g. one year average, etc.) Appropriateness of background data (temporal, geographical, technological) Other assumptions concerning background data, e.g. about data gaps Assumptions regarding 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. Assumptions concerning other relevant background data where relevant for the system boundary 	M	ISO 14044:2006, section 4.3.2; ISO 14040 section 5 (and 6) And EN15804+A2 ch. 6.3.7 + ch. 6.3.8	
9	Validity of data	Mandatory/ optional		Checked and approved
9.1	<ul style="list-style-type: none"> Represent a reference year within 10 years for generic data • Represent a reference year within 5 years for specific data Specific data based on 1 year average, unless an exception is justified Time period of 100 years over which inputs and outputs from the product system shall be accounted for. In case of landfill scenario: longer, if relevant • Technical coverage of data complies with physical reality Integrity of generic data records, system boundary and cut-off criteria for generic data records validity demonstrated 	M	EN15804+A2 ch. 6.3.8 and EN15941 and applicable PCR	

9.2	<p>Documentation on background data (specific and/or generic):</p> <ul style="list-style-type: none"> • name of the data record, • its source (database, bibliographic source, etc.), • year of data collection and its representativeness <p>Handling missing data Assessing data quality (time, geographical and technological representativeness). Documentation of data quality for all datasets with a major contribution, together contributing to at least 80% of the results of the core environmental impact indicators. Check on plausibility, comparison of indicators with others from datasets verified EN 15804+A2 and applicable c-PCR or comparison of flows and/or indicators of other significant sources of information.</p>	M	Pr EN15941 and applicable PCR EN15804+A2, Annex E	
10	Development of scenarios at product level in modules A4-A5-B-C-D	Mandatory/ optional	Reference	Checked and approved
10.1	Statement that the scenarios included are currently in use and are representative for one of the most likely scenario alternatives. 100% scenarios shall be given. Declaration of additional representative scenarios for the relevant region(s) is permissible.	M	CEN TR 16970 Ch.6.3.8 Applicable PCR	
10.2	Documentation of the relevant technical information, e.g. recycling or reuse rates, with references?	M	EN 15804+A2 Table 8	
10.3	Default values in CEN TC PCR shall be checked on applicability for the product. Deviations from these values must be justified.	M	Applicable c-PCR (if used)	
11	Allocations	Mandatory/ optional	Reference	Checked and approved
11.1	General allocation principles applied (avoidance of allocation, no double counting (unless due to a conservative assumption) or omissions, uniform application of the allocation rules, sum of inputs and outputs of a unit process after allocation must be equivalent to sum of inputs and outputs before allocation etc.)	M	ISO14044:2006 4.3.4	
11.2	Presentation and justification of allocations in the use of secondary materials or secondary fuels as raw materials	M	EN15804+A2. 6.4.3 and 8.2 and applicable PCR	
11.3	Presentation and justification of allocations in the plant (allocation between different products/production lines in a plant)	M	EN15804+A2. 6.4.3 and 8.2 and applicable PCR	
11.4	If applicable: Presentation and justification of allocation of multi-input processes (e.g. landfilling or incineration)	M	applicable PCR	

11.5	<p>Allocation of co-products:</p> <ul style="list-style-type: none"> • Selection of the allocation factors for co-product allocation and justification of allocation method; • Justification of allocation method (e.g. if data are not available to allocate according to the EN 15804+A2 rules); • Presentation of the energy and material flows in case of deviating allocation method; • No declaration of loads and benefits in Module D of flows undergone co-product allocation 	M	EN15804+A2 ch. 6.4.3.2 and applicable PCR	
11.5.1	<p>Economic allocation for processes producing coproducts used in cement and concrete, e.g. blast furnace slag, crystallised basic oxygen furnace slag, fly ash, artificial gypsum, silica fume, aluminiumoxidecontaining co-products</p> <ul style="list-style-type: none"> • Economic allocation has been used to assign impact to these low value co-products. • Even where the co-product's contribution to the overall revenue of the co-production process is less than 1%, economic allocation has been used to assess the impact, even if small, for low value coproducts. • When assessing steel, coal-fired electricity, and other processes producing these co-products, physical partitioning and other forms of allocation have not been used to assign impact to low value co-products. 	M	EN 15804, CEN/TR 16970, EN 16908 and ECO Platform decision	
11.6	Documentation of allocation factors used and their (independent) sources	M		
11.7	<p>Allocation process for reuse, recycling and recovery, check specifically:</p> <ul style="list-style-type: none"> • End-of-waste state, Consistency with other scenarios of waste management • technology representativeness for the region / country • Specification and justification of end-of-waste state where applicable • If applicable (module D): Selecting substituted processes in accordance with the PCR or (if no PCR is available) representative actual processes <p>NOTE: Application of the “polluter pays” principle to the use of waste as substitute for primary fuels or materials is left to the programme operator.</p> <ul style="list-style-type: none"> • If applicable (substitution in Module D): Calculation of net flows • Conservative approach, i.e. choice of those scenarios and calculation rules that reflect the highest environmental impacts in comparison to other choices 	M	EN15804+A2 ch.6.4.3.3 and applicable PCR	

11.8	Justification if generic data is applied which does not comply with the allocation principles, or where this compliance is not known and there are reasons to doubt it. Expert guess of how this influences the indicator results should be provided. If the allocation principles are not followed, or it is unknown whether or not they are followed, conservative assumptions should be done, for example by modifying the generic data.	M	Applicable PCR	
11.9	If applicable: documentation of the calculations of biogenic carbon content of product in CO ₂ -eq. The conversion factor shall be stated (valid for products with 5% mass based biogenic carbon content)	M	EN 15804+A2: ch.7.2.5 (table 9)	
11.10	If packaging contains biogenic carbon, has this been balanced out in A1-A3 if A5 is not reported? If balanced out in A5, have other relevant impacts for A5 been reported?	M	LCA Calculation Rules V2.0, ch. 2.11	
12	Life cycle modelling information	Mandatory/ optional	Reference	Checked and approved
12.1	Presentation of LCA modelling (for example by tables, screenshots from LCA software programmes etc.)	M	EN15804+A2 ch.8.4	
12.2	Clear description how specific (company) data are used. Is the assignment of company data to the datasets provided by the LCA software, described transparently and is it plausible?	M	EN15804+A2 ch.8.4	
12.3	Assignment of process data to the LC modules plausible?	M	EN15804+A2 ch.8.4	
12.4	For several locations/products: Presentation of modelling of all manufacturing sites (name and address to at least the country and city level: this applies for manufacturers and organizations providing products for sale/resellers) and products as well as any weighting thereof	M	EN15804+A2 ch 7.1 a) LCA calculation rules and specifications for EPDs 4.3.2	
12.5	Plausibility and consistency of data (mass balance, energy balance) This can only be fulfilled with random checks if the effort for a verification shall be reasonable, e. g.: • Check on equations and total sums: Mass balance of inputs and outputs, e.g. mass balance of (renewable and non-renewable) material resource (feedstock) inputs and outputs (products/waste/emissions/secondary materials) • CO and CO ₂ emissions coherent with the mass input of fossil energetic resources • Are the energy indicators coherent with the energy resources used?	M	EN15804+A2 ch.8.4	

12.6	BMB (biomass balance) and/or recycled content allocation (attribution) approaches like “mass balance credit method” and/or “book and claim” methods as per ISO 22095 has not been used. Biogas used for energy purposes is exempt from this rule, if allowed by the PO, see 6.1.		CA Calculation Rules V2.0, ch. 2.4 based on ECO Platform position paper from January 2023	
13	Indicators of the Life Cycle Inventory (LCI) and Life Cycle Impact Assessment (LCIA)	Mandatory / optional	Reference	Checked and approved
13.1	Presentation of the parameters in tabular form for all modules A1 to D.	M	EN15804+A2 ch. 7.2.2	
13.2	<p>Presentation of the indicators describing:</p> <p>EN15804+A2:</p> <ul style="list-style-type: none"> Core environmental impacts (13 indicators), Additional environmental impacts (6 indicators) and coherent disclaimers. Table 4 shall be included in the EPD for the declared additional environmental indicators. If additional indicators are not declared, they shall be mentioned in the EPD, e.g. as an entry of "ND" to Table 4 or as text. the use of resources (10 indicators), the waste categories (3 indicators) output material flows (4 indicators) <p>And other environmental performance indicators required by the PCR.</p> <p>The sum of GWP fossil + GWP biogenic + GWP Land use and land use change shall be equivalent to GWP Total</p>	M	EN15804+A2 ch. 6.5, 7.2.3 – 7.2.5 Table 4 Applicable PCR	
13.3	Has the packaging been included in the declaration of the LCI related indicators, e.g. in the quantification of the content of primary energy?	M	EN 15804+A2 ch.6.3.5.2 and ch. 7.2.5 (Table 9), also some other chapters regarding modules B and C	
13.4	<p>Selection of correct characterisation factors and elimination of long-term emissions (> 100 years)</p> <p>Has the latest version of characterisation factors released by JRC been used taking account of the period of transition?</p> <p>Version of CF Factors to be stated to facilitate comparison</p>	M	CA Calculation Rules V2.0, ch. 2.9; EN15804+A2 ch.8.2 and annex C and applicable PCR Note: some CEN TC product c-PCR documents contain additional and/or more appropriate CF Factors missing in the JRC tables.	
13.5	Justification of indicators and characterisation methods applied in case they are not among the mandatory indicators/methods of the EN15804	M		

13.6	Information on the environmental impacts in the project report: <ul style="list-style-type: none">Reference to characterisation models and factorsStatement 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+A2 ch.8.2	
14	Interpretation	Mandatory/ optional	Reference	Checked and approved
14.1	Interpretation of the results based on a dominance/contribution analysis of elected indicators?	O		
14.2	Is the relationship between the results of the LCI and the results of the LCIA plausible? Examples: <ul style="list-style-type: none">Relationships are checked, e.g. wood-mass balance, input-material, compare with order of scale/order of magnitude.Insight into the model is important, where does the link between life cycle inventory and impact happen in the model. The link happens in the software... • Check orders of scale/magnitude, especially for indicators that are changed manually.Currently, the following results shall be the same: Coherence of primary energy (n.e.) with ADPF values.Check allocations, consistency with physical flows	M	EN15804+A2 ch.8.2	
14.3	Assumptions and restrictions as regard the interpretation of results in the EPD, in terms of both methods and data	M	EN15804+A2 ch.8.2	
14.4	In the case where an EPD is for a product group a statement to that effect may be included in the declaration together with a description of the range/ variability of the LCIA results if significant; The description of the range can be qualitative or quantitative	M	EN15804+A2 ch. 7.1 and 8.2 CEN TR 16970 ch. 7.1.	
14.5	Interpretation of the influence of data quality. An assessment of data quality should be provided if the data quality differs for significant data.	O	EN15804+A2 ch. 6.3.8, ch. 8.2 + annex E and ISO 14040 and prEN 15941	
14.6	Comprehensive transparency as regards value decisions, justifications and expert judgements, i.e. transparency to avoid misinterpretation.	M	EN15804+A2 ch.8.2	

15	Additional information	Mandatory/ optional	Reference	Checked and approved
15.1	<p>If additional information is given, check the documentation:</p> <ul style="list-style-type: none"> • Laboratory results/measurements listed in the content declaration • Laboratory results/measurements listed in the functional/technical performance • Documentation on the declared technical information on individual life cycle stages not taken into consideration in the construction product's LCA (but applicable building assessment (e.g. transport routes, energy consumption during the use stage, cleaning cycles etc.) • Laboratory results/measurements pertaining to the declared emissions in indoor air, oil or water during the use stage • All declared information is in line with requirements in the PCR 	O	<p>EN15804+A2 ch.8.3</p> <p>Applicable PCR</p>	
15.2	Where relevant: ensure that information additional to EN15804 is verifiable e.g. by reference to standards or other publicly accepted test requirements.	M	LCA Calculation Rules, V2.0, ch. 2.13	
16	Lifespan and reference service life (RSL)	Mandatory/ optional	Reference	Checked and approved
16.1	<p>The RSL shall be declared if the full life cycle A1-C4, or the B-Modules are declared.</p> <p>Note: If it is not possible to declare an RSL, then you have to justify and give sources for the lifespan taken into account. The lifespan shall be representative for the declared product and the calculation of the lifespan shall be documented and, if relevant, follow the PCR.</p>	M	EN15804+A2 ch. 6.3.4 and normative Annex A	

Verification Checklist and Requirements for the EPD content

The mandatory ECO Platform content includes:

- A statement of the applied background database and software (if commercial software was used), and both its versions
- A statement that the applied allocation method for post-consumer waste is cut-off
- A statement which version of Characterisation factors was used, ensuring the latest version has been used.
- Electricity mix and carbon for production plant (consumption mix or market-based approach)
- A description of representativity in average

1	Requirements	Reference	Checked and approved
1.1	<p>EPD include as general information:</p> <p>On the frontpage / titlepage / cover page:</p> <p>Text "Environmental Product Declaration in accordance with ISO 14025 and EN 15804+A2", prominently visible in the EPD</p> <p>Name of declared product</p> <p>Programme Operator (Name)</p> <p>Name and address of manufacturer/association</p> <p>Date of issue + validity (5 years)/date of expiry + date of update/validation if relevant</p> <p>EPD identification (registration number of the EPD on programme operator level).</p> <p>Logo of ECO Platform</p> <p>In other chapters of the EPD:</p> <p>Programme Operator / publisher, and name, address, logo, website as relevant</p> <p>Name of declared product</p> <p>Electricity mix (market-based approach or locationbased approach used for main results)</p> <p>Statement that "EPD of construction products may not be comparable if they do not comply with EN 15804+A2"</p> <p>Geographical area, i.e. market range, where the product is produced, where it may be applied and where the end-of-life is assumed</p> <p>For EPDs of product group: a statement that the EPD covers a product group and a description of the type of such EPD (e.g., average, representative product or worst-case product);</p> <p>Names of manufacturer(s) when the EPD declares an average of several manufacturers.</p> <p>A statement of the applied background database(s) and software, and both its versions</p> <p>A statement, if ecoinvent is used, of the LCA-method</p> <p>Cut-off by classification or Cut-off, EN 15804+A2</p> <p>A statement which version of Characterisation factors was used</p>	<p>EN 15804+A2 ch. 7.1</p> <p>List of content to declare in an ECO EPD (see above)</p>	
1.2	<p>PCR reference</p> <p>PCR version (MM YYYY)</p> <p>If applicable: c-PCR (complementary PCR from product TC)</p>	Applicable PCR from European product TCs	
1.3	Demonstration of verification: external independent verification, name of third-party verifier	EN 15804+A2, ch.7.1 Table 2	

1.4	Information on the validity		
1.5	Appropriateness of logos of the company, programme operator and ECO Platform. Appropriateness of pictures.		
1.6	Products using energy in module B6 of the use stage and permanently installed into building or infrastructure (defined by the manufacturer): Statement that this EPD follows additional requirements for such products.	LCA Calculation Rules V2.0, ch. 2.10	
2	Product	Reference	Checked and approved
2.1	The product description is in line with the project report, and clearly enough described to identify the declared product unambiguously. Name and location of production site(s).	List of content to declare in an ECO EPD as below	
2.2	If applicable: Explanations on calculations of averages within a product group, and representativeness; Information on restrictions to the use of the EPD; Required information in the EPD for the representativity and data quality of the average and collective EPD according to EN 15941: A technical description of the average product group (such as density or a property like U-value); The number of manufacturing plants included in the EPD; and/or The names of manufacturing companies or brands or associations; Sampling process if only representative companies/sites are chosen; Geographical coverage; The range of products for which the EPD is relevant, even if data from some products has not been used directly in producing the EPD For collective EPD (commonly called “sector EPD) the following are additionally required: • The number of products and/or sites included in the EPD Recommendation: description of the relative production volume covered by the EPD.	EN 15804+A2, ch.7.1; EN 15941, ch. 7.3.3	
2.3	Specification / identification (picture, name, model) Unambiguous identification of the product(s), by standards, concessions or other means	EN 15804+A2, ch.7.1;	
2.4	Indication of the intended use Application and technical functions of the product	EN 15804+A2, ch.7.1;	
2.5	Relevant technical data (additional information is possible) including RSL if applicable (Average values or range in case of product groups)		
2.6	The test standards to which the technical data refers		

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 substance that are listed in the latest "Candidate List of Substances of Very High Concern for authorisation" if their content exceeds the limits for registration (for products with declared this information in DoP as a part of technical assessment)	EN 15804+A2, ch.7.1; and applicable PCR	
2.8	Description/scheme of the manufacturing processes / all processes if several locations are involved	EN 15804+A2, ch.7.1; applicable PCR	
3	LCA rules	Reference	Checked and approved
3.1	Information on the declared / functional unit	Applicable PCR	
3.2	Indication of the EPD type and declared/undeclared modules through a table of modules (ND=Module not declared) EPD types applicable in EN 15804+A2: cradle-to-gate with modules C1-C4 and module D cradle-to-gate with options, modules C1-C4 and module D cradle-to-grave and module D cradle-to-gate (exemption requirements apply) cradle-to-gate with options (exemption requirements apply)	EN 15804+A2, ch. 7.2.2	
3.3	EPD contains a (simple) flow diagram in accordance with the modular approach	ISO 14044, ch. 4.3.2.2	
3.4	Description of the system boundary (can be simplified, as a picture or in wording), including the assignment of the analysed processes to the life cycle modules	ISO 14044, ch. 4.3.2.2	
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		
3.7	Source of background data used, name and version. Description of what upstream and/or downstream data has been applied is optional.		
3.8	Indication of the age of background data used (e.g. last update or version of the database)		
3.9	Information on the data collection period and resulting averages		
3.10	Presentation of the allocations of relevance for calculation		
3.11	Information BMB (biomass balance) methods is not used	LCA Calculation Rules V2.0, ch.2.4 based on ECO Platform position paper from January 2023	
4	LCA: Scenarios and additional technical information	Reference	Checked and approved

4.1	Mandatory for all declared modules beyond A3: declaration of the assumptions pertaining to the scenarios of the declared modules in accordance with the project report.	EN 15804+A2, ch. 7.3	
4.2	If a reference service life (RSL) or lifespan is declared in the EPD, declaration of the scenario on which the RSL is based, in accordance with the project report	EN 15804+A2, ch. 7.3.3.2 + Annex A ; applicable PCR	
5	LCA: Results	Reference	Checked and approved
5.1	Description of the declared / functional unit		
5.2	Identification of the declared/undeclared modules: Table of Modules/indicators, illustrating the type of EPD ND = module not declared Full declaration of all indicators of EN 15804+A2 required according to the modular approach Result Table contains: No blank cells, hyphens, or other symbols. The value 0 only for parameters that have been calculated to be 0, or below a limit value (former MND/MNA etc). Footnotes shall be used to explain any limitation to the result value.	EN 15804+A2, ch.7.2.3, 7.2.4, 7.2.5 and ch.7.5	
5.3	Biogenic carbon content (in product and packaging) in kg C (if BC is beyond 5% of mass of product or packing), for others not required	EN 15804+A2, ch. 7.2.5	
5.4	Programme operators may allow optional additional impact indicators and LCI indicators. These shall be identified as "additional" to the indicator basket of EN 15804+A2, either in the EPD itself or in an annex		
5.5	The declared indicator and other quantitative results shall be identical with the respective values in the project report		
5.6	In case of product averages: description of the range / variability of the LCIA results. This may be qualitative information.	EN 15804+A2, ch.7	
5.7	Deletion of module columns which are not declared (permissible for the Results part)		
5.8	Formatting the table framework and parameter addressed in accordance with the specifications of the PCR or the programme operator rules		
6	Data quality information in EPD according to EN 15941		
6.1	Data quality information shall be provided in a prominent section of the EPD reporting data quality according to EN 15941.	EN 15804+A2, ch. 6.3.8.3; EN 15941, ch. 7.3.3	
6.2	Any use of relevant data assessed for either time, geography or technology according to 7.1 and EN 15804+A2, 6.3.8.3 to be: poor or very poor data fair data that has more than 30 % for any core indicator has been noted in the EPD. If any specific EPD are used in modelling, this should be mentioned.	EN 15941, ch. 7.1 + 7.3.3	

6.3	Any text describing data quality shall use the terminology provided for quality level in EN 15804+A2, Table E.1 and Table E.2 to describe data quality in relation to time, geography and technology (see Annex C for examples).		
6.4	EPD shall not declare any misleading or exaggerated claims with respect to data quality.		
6.5	The EPD may specify which table from EN 15804+A2, Annex E has been used to assess the data quality of relevant data.		
7	Evidence for tests or certificates, depending on requirements in PCR.	Reference	Checked and approved
7.1	Additional information may provided to indoor air or oil/water, if applicable)for product with such technical assessment)	EN 15804+A2, ch.7.4	
7.2	Other additional environmental information if relevant for a country.		
7.3	Declaration of the relevant evidence. Information where to find this evidence	EN 15804+A2, ch.7.2; applicable PCR; existing programme rules	
7.4	Approach Power Mix: reporting done as required in EN 15941: Market-based approach or location-based approach to be specified.	EN 15941	
7.5	Additional rules for transparency in the EPD: • If electricity accounts for more than 30 % of the total energy use in stage A1-A3, provide in the EPD the GWPtotal of the electricity in kg CO2e/kWh Information if any contractual instruments are used must be declared. Justification if any background data does not follow the recommendations of Table 3 of the LCA Calculation Rules.	ECO Platform LCA Calculation Rules V2.0, ch. 2.5 EN 15941	
8	Additional Information in the EPD or Annexes	Reference	Checked and approved
8.1	Where relevant: ensure that information additional to EN 15804+A2 is either verified or has been verified/certified by others e.g. by reference to standards or other publicly accepted test requirements.	LCA Calculation Rules V2.0, ch. 2.13	
8.2	Any additional information in the EPD or annexes meets the requirements of the LCA Calculation Rules V2.0. No use of non-compliant methodological approaches. Additional indicators to EN 15804+A2 calculated using compliant methodology may be provided.	LCA Calculation Rules V2.0, ch. 2.13	
9	References	Reference	Checked and approved
9.1	Full indication of referenced sources (excluding standards already quoted in full and standards concerning evidence)	List of content to declare in an ECO EPD	
10	Annex	Reference	Checked and approved
10.1	An Annex may contain all additional information required for specific use		

List of content to declare in EPD

1. Pictures, Logos:

Pictures should relate to the product and the subject of environment.

Logo(s) of the programme operator, publisher (this can be different institutions) and manufacturer Logo of the programme operator, Logo of ECO Platform

2. Compliance statement and identification

The front page of the EPD document shall prominently show the conformity to ISO 14025 and EN 15804+A2. It should also provide all administrative information for understanding which product from which manufacturer is declared, who is the programme operator responsible for the quality of the declaration, how is the EPD identified, for how long is it valid, whether it has been updated and finally whether the EPD conforms to the ECO Platform Standards.

Items addressed are:

Product name;

Programme operator, publisher and manufacturer;

Registration number of the EPD on programme operator level

Relevant dates of the EPD: date of issue, date of expiry, date of validation

3. General information:

Contact information of manufacturer and programme operator (e.g. name, address, website)

Regional representativity, such as name and location of production site for specific EPD, for associations this information can be given in an Annex to the EPD

Unambiguous identification of the product or products, by standards, concessions, product classifications (e.g. CPC) or other means

Short, transparent description of application, technical functions of the product

Verification signatures in the table from ISO 14025

Liability + comparability statement

Identification of the PCR or c-PCR (= complementary PCR from product TC)

4. Scope and Type of EPD:

The result tables and the table of modules shall

Only contain values or the letters ND (not declared).

Contain no blank cells, hyphens

Use ND only for parameters that are not quantified because no data is available.

ND can be used for modules that may be relevant on building level but cannot be declared on product level, namely Modules B3 - B5. Footnotes shall be used to explain any limitation to the result value.

If a module is assessed, then the indicators shall be quantified.

If the module is not relevant for a product it should not appear in the result tables. If it does appear in the result table, the parameter results are ND, meaning that they are unknown and not zero. This leaves all options open for a building assessment.

Use the value 0 only for parameters that have been calculated to be 0.

If no processes can be expected within a declared module, it should be declared with parameter results of value 0, as no mass flows take place. This narrows down the options in a building assessment to a probable scenario. In this case the module should not appear as ND in the table of modules. The table of modules illustrating the Type of EPD with respect to the modules considered, e.g. cradle to gate with options. For EPD complying with EN 15804+A2, Modules A1-A3, C1-C4 and D are mandatory (mdt). A4 and A5 as well as all B-Modules are optional (op).

Note that information modules generating any input or output flows considered in the declaration of module D shall also be declared.

For services declared in A5, A4 is a necessary module, even though this is not mentioned explicitly in EN 15804+A2

A statement whether the EPD is specific or some kind of average EPD;

If product groups (similar products from one manufacturer and/or from different production plants) are formed as averages:

Description of the type of average

Representativeness of averages in the EPD

5. Applied background database description and version, i.e. applied upstream and downstream generic data (i.e. data beyond the manufacturer's influence);

Applied LCA software or application, including dated version.

EPD includes a statement about the data quality.

A statement, if ecoinvent is used, of the LCA-method Cut-off by classification or Cut-off, EN 15804+A2

Electricity mix (consumption mix or marked based approach) and emission factor for GWP-total per kWh for electricity used.

6. Detailed product description

Description of the product

Description of the production processes preferably visualised, application, technical data.

Product components, main product content, packaging materials, SVHC.

Declared unit/ functional unit Reference service life (RSL)

Representativeness of the average when an average EPD is declared.

7. LCA results – Mandatory impact and LCI indicators for EN 15804+A2

The results of the underlying LCA are provided in this section as environmental impacts, resource use, output flows. All pre-set parameters of EN 15804+A2 are required.

8. LCA results – Optional additional impact indicators

A set of optional additional indicators shall be addressed in a mandatory table (see table 5 in EN 15804+A2) in the EPD if complying with EN 15804+A2. If the manufacturer(s) decides to not declare any additional indicator from the list in EN 15804+A2, the boxes for those modules are assigned ND = not declared. Any additional indicator not declared must be identified in the table e.g. as an entry of "ND" to the table or as text. In EN 15804+A2 biogenic carbon indicators are mandatory, information for kg C. Biogenic carbon must be balanced.

9. Calculation rules:

Declared or functional unit, Assumptions, Cut off rules, Data quality, Allocations.

10. Scenarios and additional technical information

Description of processes included within system boundary A1-A3,

Clear description of scenarios included within system boundaries for further modules beyond A1-A3 including but not limited to transport distances, losses in installation, use and end-of-life,

11. The additional information on release of dangerous substances to indoor air, oil and water

Additional information regarding the release of dangerous substances into indoor air, oil and water during use stage (for product with such information in DoPs).

12. References

Bibliographic sources for test descriptions, standards or other documents referenced in the EPD.

13. Annex

An Annex may contain all additional information required for specific use (for example in different countries)