

DIN EN 15804:2022-03 (E)

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products (includes Corrigendum :2021)

Contents	Page
European foreword.....	5
Introduction	6
1 Scope	7
2 Normative references.....	7
3 Terms and definitions	8
4 Abbreviations	13
5 General aspects.....	14
5.1 Objective of the Core PCR.....	14
5.2 Types of EPD with respect to life cycle stages covered.....	15
5.3 Comparability of EPD for construction products	19
5.4 A₂ Additional environmental information.....	19
5.4.1 General.....	19
5.4.2 Additional impact indicators	20
5.4.3 Additional information on carbon offset, carbon storage and delayed emissions.....	20
5.4.4 Additional Information not derived from LCA	20
5.5 Ownership, responsibility and liability for the EPD.....	20
5.6 Communication formats	20
6 Product Category Rules for LCA.....	20
6.1 Product category	20
6.2 Life cycle stages and their information modules to be included	21
6.2.1 General.....	21
6.2.2 A1-A3, Product stage, information modules	21
6.2.3 A4-A5, Construction process stage, information modules.....	21
6.2.4 B1-B5, Use stage, information modules related to the building fabric.....	21
6.2.5 B6-B7, use stage, information modules related to the operation of the building.....	22
6.2.6 C1-C4 End-of-life stage, information modules	22
6.2.7 D, Benefits and loads beyond the system boundary, information module	22
6.3 Calculation rules for the LCA.....	22
6.3.1 A₂ Functional or declared unit	22
6.3.2 Functional unit.....	23
6.3.3 Declared unit	24
6.3.4 Reference service life (RSL).....	24
6.3.5 System boundaries	25
6.3.6 Criteria for the exclusion of inputs and outputs	32
6.3.7 Selection of data.....	32
6.3.8 A₂ Data quality A₂	33
6.3.9 Developing product level scenarios	35
6.3.10 Units.....	35
6.4 Inventory analysis	36
6.4.1 Collecting data.....	36
6.4.2 Calculation procedures	36
6.4.3 Allocation of input flows and output emissions.....	36
6.4.4 A₂ Information on biogenic carbon content	38

6.5	Impact assessment	38
6.5.1	[A₂] General	38
6.5.2	Core environmental impact indicators	38
6.5.3	Additional environmental impact indicators	39
7	Content of the EPD	39
7.1	Declaration of general information	39
7.2	Declaration of environmental [A₂] indicators [A₂] derived from LCA	40
7.2.1	General	40
7.2.2	Rules for declaring LCA information per module	40
7.2.3	[A₂] Indicators describing environmental impacts based on Life Cycle Impact Assessment (LCIA) [A₂]	41
7.2.4	[A₂] Indicators describing resource use and environmental information based on Life Cycle Inventory (LCI) [A₂]	44
7.2.5	[A₂] Information on biogenic carbon content	46
7.3	Scenarios and additional technical information	46
7.3.1	General	46
7.3.2	Construction process stage	47
7.3.3	B1-B7 use stage	48
7.3.4	End-of-life	51
7.4	Additional information on release of dangerous substances to indoor air, soil and water during the use stage	52
7.4.1	Indoor air	52
7.4.2	Soil and water	52
7.5	Aggregation of information modules	52
8	Project report	52
8.1	General	52
8.2	LCA-related elements of the project report	53
8.3	Documentation on additional information	55
8.4	Data availability for verification	55
9	Verification and validity of an EPD	55
	Annex A (normative) Requirements and guidance on the reference service life	56
	Annex B (informative) Waste	59
B.1	End-of-waste	59
B.2	Properties of hazardous waste for Table [A₂] 8 [A₂]	59
	Annex C (normative) Impact categories and related indicators, methodologies and characterization factors (CF)	60
C.1	Core environmental impact categories and indicators	60
C.2	Calculation rules for the climate change impact category	61
C.2.1	General	61
C.2.2	Total global warming potential (GWP-total)	61
C.2.3	Fossil global warming potential (GWP-fossil)	61
C.2.4	Biogenic global warming potential (GWP-biogenic)	61
C.2.5	Land use and land use change global warming potential (GWP-luluc)	62
C.3	Additional impact categories and indicators	63
C.4	Characterization factors	63

Annex D (informative) End of life formulae.....	64
D.1 Introduction.....	64
D.2 Terms and definitions.....	64
D.2.1 Value correction factor.....	64
D.2.2 Quantities.....	64
D.2.3 Specific emissions and resources per unit of analysis.....	65
D.2.4 Specific emissions and resources per unit of analysis of outputs.....	66
D.2.5 Efficiency.....	66
D.2.6 Lower heating value.....	67
D.3 Formulae.....	67
D.3.1 General.....	67
D.3.2 Modules A1–A3.....	67
D.3.3 Module C.....	68
D.3.4 Module D.....	68
Annex E (informative) Schemes to be applied for data quality assessment of generic and specific data.....	69
Bibliography.....	71