Definition in technical specification	Possible display order	Field name (EN)	Data type (EN)	Definition and explanation (EN)	InData compliance CPEN	Deviation to ILCD	Extension of ILCD format	Specification and comments InData compliance CPEN construction / EN 15804	Example (EN)
EPD	1	Process information							
EPD	2	Key data set information							
EPD	45	UUID of data set	UUID	Automatically generated universally unique identifier of this data set. Together with the "Data set version", the UUID uniquely identifies each data set. Find further explanations in **FAQ**.	m			For further details see **FAQ**.	fe8fd0db-94d7-44a1-ba14-c32d43b1b3a3
EPD	6	Name	Text	General descriptive and specifying name of the product/system.	m				Cement (CEM II 32.5)
EPD	9	Classification		Hierarchical classification of the product/system. Classification information can be given for an arbitrary number of classification systems. Find further explanations in **FAQ**.	m			For InData compliance: this can be any classification system, it has to be provided in English. For further details see **FAQ**.	Class name : Hierarchy level ÖKOBAUDAT: 1.1.01 Mineral Building Products / Binder / Cement
EPD	10	General comment on data set	Text	If relevant: General information about the data set, including e.g. general quality statements (internal, not reviewed) as well as information sources used. Note: Please fill in only central aspects ("synopsis of dataset") and avoid overlapping entries with "Advice on data set use".	o				The data set covers…..
EPD	16	Data set LCA report, background information	Reference to source	Project report according to EN 15804 can be attached.	o	semantic			
EPD	11	Generic data uncertainty loads	Decimal number	The amount (in percent) of any included uncertainty loads. Find further explanations in **FAQ**.	o		x	For InData compliance: This concept is used for generic data (at the moment only relevant in ÖKOBAUDAT). For further details see **FAQ**.	
EPD	12	Description of generic data uncertainty loads	Text	Reasons and rules for choice of uncertainty loads. Find further explanations in **FAQ**.	o		x	For InData compliance: This concept is used for generic data (at the moment only relevant in ÖKOBAUDAT). For further details see **FAQ**.	some processes missing from model

EPD	50	**Scenarios**		Declaration of scenarios. Multiple independent groups of scenarios can be declared, using the optional group identifier for differentiation. Within each group, one scenario can be marked as the default one.			x		
EPD	51	Scenario		One scenario	o		x		
EPD	52	Name	Text	Name of the scenario; mandatory as soon as any scenario is declared.	o		x		
EPD	53	Default	yes/no	"true" if this is the default scenario; If a group of scenarios is declared, one scenario of the group has to be announced as default scenario.	o		x		
EPD	54	Group		Identifier for a group of scenarios	o		x		
EPD	55	Description	Text	Description of the scenario; mandatory as soon as any scenario is declared. Link to detailed description in EPD-document can be given.	o		x		
EPD	56	**Modules**					x		
EPD	57	Module		One module	o		x		
EPD	58	Name	Text	Name of the module	o		x		
EPD	59	Product system ID	Text	ID of the underlying product system for this module	o		x		
EPD	17	**Quantitative reference**							
EPD	18	Reference flow(s)	Reference to flow	Link to reference flow of data set; the reference flow is the output that represents the product. Therefore for each EPD (process) data set, at least one reference flow data set has to be given that represents the product. The amount of the exchange with the reference product, together with the reference flow property of the reference product, indicates the declared unit (or functional unit) as stated in the EPD. Find further explanations in **FAQ**.	m	minor			Zement (CEM II 32.5) - 1.0
EPD	19	Functional unit, production period, or other parameter		(currently not in use)					
EPD	21	**Time representativeness**							
EPD	5	Reference year	Integer	Start year of the time period for which the data set is valid.	m				2015
EPD	22	Data set valid until	Integer	End year of the time period for which the data set is still valid. This date also determines when a data set revision / remodelling is required or recommended due to expected relevant changes in environmentally or technically relevant inventory values, including in the background system.	m				2018
EPD	23	Time representativeness description	Text	Description of the valid time span of the data set including information on limited usability within sub-time spans (e.g. summer/winter).	o				annual average

		Geographical representativeness								
EPD	3	Location	Location code	Region, for which the data set is representative / relevant. ISO 3166 country code or regional code	m	minor				DE
EPD	4	Geographical representativeness description	Text	Explanations about additional aspects of the location if relevant.	o	minor				
EPD	24	**Technological representativeness**								
EPD	25	Technology description including background system[1]	Text	Description of the technological characteristics including operating conditions of the product system or process. If relevant for the technological representativeness this comprises the technological characteristics of the relevant upstream and downstream processes ("background system") included in the data set. Link to detailed description in EPD-document or to flow diagramm can be given, if available. **Note 1:** The feasible application of the product in the building or of the material in a process or product respectively is described in the field 'technical purpose of product or process' (8); a reference to the corresponding section of the EPD can be given. **Note 2:** No general descriptions of the system boundaries according to EN 15804. Find further explanations and examples in **FAQ**.	m	minor			Give concentrated infomation about main technological aspects, to make the user understand the background of the LCA information in the data set. E.g. • 1-2 sentences to describe the product if reasonable; • declaration of the main product components and/or materials; • short description of the manufacturing process with focus on product specific information which are relevant to understand the data set rather than general literature on the product group; • information on pre-products or raw materials if reasonable; • description of the construction process stage, use stage and end-of life stage if reasonable.	The main processes in cement production…..
EPD	8	Technical purpose of product or process	Text	Brief description of the intended use / possible applications of the good, service, or process, e.g. for which type of products the material, represented by this data set, is used. For construction products the feasible applications in the building shall be given. **Note:** This corresponds to EN 15804, section 7.1 b) 'description of the construction product's use […]'. Find further explanations and examples in **FAQ**.	m	semantic				
EPD	26	Pictogram of technology	Reference to source	"Source data set" of the pictogramme of the good, service, technogy, plant etc. represented by this data set.	o					Construction_Composition of cement.jpg
EPD	27	Flow diagramm(s) or picture(s)	Reference to source	"Source data set" of the flow diagramm(s) and/or photo(s) of the good, service, technology, plant etc represented by this data set. For clearer illustration and documentation of data set.	o					24222….zementherstellung_engl.jpg

EPD	28	**Modelling and validation**						
EPD		LCA methodology report	Reference to source	Source data set that represents the applied PCR document shall be attached; for generic data equivalent document for generic data, e.g. project report, general description of LCA methodology.	m	semantic		PCR.pdf
EPD	29	Subtype	Enumerated list	Indicates the type of data set regarding its representativeness. One of the following predefined data types has to be chosen: - specific dataset - vendor (company) specific data for a specific prodct from one production site - average dataset - average datasets from industry associations, multiple manufacturers, multiple poduction sites or multiple products, i.e. modelled based on industry data from a manufacterer - representative dataset - data that is representative for a country or region (e.g. average for Germany) - template dataset - sample EPD, unspecific datasets for specific products, that were created based on a sample EPD - generic dataset - generic data acc. to EN 15804 and data based on other non-industry data sources (e.g. literature, expert knowledge)	m		x	generic dataset
EPD	30	**Data sources, treatment, and representativeness**						
EPD	31	Data sources used for this data set	Reference to source	Here 3 "source" data sets shall be referenced: 1. The respective "source" data sets representing the background data used (like GaBi or ecoinvent) shall be referenced. 2. In addition, the respective "source" data set representing the specific version of the background database shall be referenced. 3. A "source" data set representing the EPD document shall be attached.	m	semantic		GaBi Version 6.5 - 2015 - Environmental data from the cement industry, 2009 - Ecological Assessment of Construction Products and Buildings, 2000 ….
EPD	7	Use advice for data set	Text	Specific methodological advice for users of the data set that requires attention; it shall be stated if any modules have not been declared, e.g. 'This data set does not comprise end of life (modules C1-C4) of the product.' A link to appropriate combinable datasets can be given. Find further explanations and examples in **FAQ**.	m	minor		The data set represents….

EPD	32	**Validation**		Information on verification according to ISO 14025 and EN 15804		semantic			
EPD	33	Type of review	Enumerated list	Possibilities for type of review: - 'no verification / critical review' - 'internal verification / critical review (intra-company)' - 'dependant external verification / critical review (external reviewer is not verifiably independent from LCA expert or owner of enterprise)' - 'independent external verification / critical review (external reviewer who is verifiably independent from LCA expert or owner of enterprise)'	m	minor		For InData Compliance only the following option is accepted…. a) ....for **EPD**: - 'independent external verification / critical review (external reviewer who is verifiably independent from LCA expert or owner of enterprise)' b) ...for **generic data** also: - 'internal verification / critical review (intra-company)' Find further explanations in **FAQ**.	independent external verification
EPD	34	Review details	Text	Compilation of review results (verification or critical review) if of general interest.	o	semantic			
EPD	35	Reviewer name and institution	Reference to contact	"Contact data set" of reviewer(s) and reviewing institution(s)	o				LBP-GaBi / PE International / IBP-GaBi GaBi bug forum / GaBi user forum / GaBi user community
EPD	36	Complete review report	Reference to source	"Source data set" of the complete review report if of general interest.	o				
EPD	37	Compliance declarations							
EPD	38	Compliance system name	Reference to source	Standard(s) and/or compliance system(s) that are declared to be met by the data set (e.g. EN 15804, EN 16485). The appropriate PCR shall be refered to in the data field 'LCA methodology report'.	m	minor		For construction products data must be in conformity with EN 15804, hence EN 15804 must be referenced.	EN 15804
EPD	39	Administrative information							
EPD	40	Data entry							
EPD	41	Time stamp (last saved)	Time stamp	Date and time stamp of data set generation; no input to be given; is automatically produced.	m				2014-08-08T15:24:23.515+02:0
EPD	42	Data set format(s)	Reference to source	"Source data set"s of the used version of the ILCD format and EPD extensions. Will usually be filled in automatically by the software tool.	m				ILCD format 1.1 EPD Data Format Extensions
EPD	43	Data entry by	Reference to Contact	Contact data of person who documented this data set.	o				

EPD	44	**Publication and ownership**							
EPD	46	Date of last revision	Time stamp	Date when the data set was revised for the last time; typically manually set.	o				2012-12-18T12:36:17+01:00
EPD	47	Data set version	Version number	Version number of data set; is automatically generated. First two digits refer to major updates, the second two digits to minor revisions and error corrections etc. The third three digits are intended for automatic and internal counting of versions during data set development. Together with the data set's UUID, the "Data set version" uniquely identifies each data set. Find further explanations in **FAQ**.	m				00.03.000
EPD	14	Issuer	Reference to contact	"Contact data set" of the authority that has issued this data set (e.g. EPD programme operator).	m	minor			
EPD	15	Registration number	Text	ID number of EPD or project. Not necessarily relevant for generic data.	m				
EPD	48	Owner of data set	Reference to contact	"Contact data set" of the person or entity who owns this data set. Note: this is usually not the publisher of the data set.	m				thinkstep
EPD	13	Copyright	yes/no	Indicates whether or not a copyright on the data set exists. Decided upon by the "Owner of data set". Find further explanations in **FAQ**.	m				e.g. cement association; producer (St. Gobain)…

		Exchanges							
EPD	44	**LCIA results**							
EPD		Indicator	Reference to LCIA method	Reference to the LCIA method dataset describing the indicator.	m				
EPD	45	Module/Phase	Text	Module or phase according to EN 15804 (e.g. "A1-A3")	m		x		
EPD	46	Scenario	Text	References ID of a scenario defined above	o		x		
EPD	48	Value	Real	Value of the respective parameter	m		x		
EPD	49	Unit	Reference to unit group	Given as a function of the respective parameter	m		x		
FD	20	Material properties		Declaration of relevant physical or chemical product properties such as density etc. The following identifiers are currently supported: - bulk density [kg/m³] kilograms per cubic metre - grammage [kg/m²] kilograms per square metre - gross density [kg/m³] kilograms per cubic metre - layer thickness [m] metres - productiveness [m²] square metres - linear density [kg/m] kilograms per metre - conversion factor to 1 kg (*) (*) EN 15804 (clause 6.3.2 in EN 15804:2012+A1:2013; clause 6.3.4 in Draft EN 15804/prA 2017-11-23 respectively): 'For the development of scenarios, for example for transport and disposal, conversion factors to mass per declared unit shall be provided.'	m		x	Recommendation: Declare at least the conversion factor to 1 kg and in additione as many material properties as appropriate for your product. LCA calculation tools for buildings operate with different declared units and conversion factors, most commonly used: indicators per kg in combination with density in kg/m3. Thus different data bases will prescribe corresponding material properties depending on the fed LCA calculation tool.	

		Environmental indicators							
		Indicators of life cycle							
	3	Use of renewable primary energy (PERE)	IND		m				0.2451
	4	Use of renewable primary energy resources used as raw materials (PERM)	IND		m				0
	5	Total use of renewable primary energy (PERT)	IND		m				0.2451
	6	Use of non renewable primary energy (PENRE)	IND		m				2.959
	7	Use of non renewable primary energy resources used as raw materials (PENRM)	IND		m				0
	8	Total use of non renewable primary energy resource (PENRT)	IND		m				2.959
	9	Use of secondary material (SM)	IND		m				0
	10	Use of renewable secondary fuels (RSF)	IND		m				0.2544
	11	Use of non renewable secondary fuels (NRSF)	IND		m				2.678
	12	Use of net fresh water (FW)	IND		m				0.001273
	13	Hazardous waste disposed (HWD)	IND		m				0
	14	Non harzardous waste dispose (NHWD)	IND		m				1.782
	15	Radioactive waste disposed (RWD)	IND		m				0.0001341
	16	Components for re-use (CRU)	IND		m				0
	17	Materials for recycling (MFR)	IND		m				0
	18	Materials for energy recovery (MER)	IND		m				0
	19	Exported electrical energy (EEE)	IND		m				0
	20	Exported thermal energy (EET)	IND		m				0
		Indicators of the impact assessment							
	22	Global warming potential (GWP)	IND		m				0.7195
	25	Depletion potential of the stratospheric layer (ODP)	IND		m				4.762E-11
	26	Formation potential of tropospheric ozone (POCP)	IND		m				0.0008726
	27	Acidification potential of soil and water (AP)	IND		m				0.0001319
	28	Eutrophication potential (EP)	IND		m				0.0001026
	29	Abiotic depletion potential for fossil resources	IND		m				2.634
	30	Abiotic depletion potential for non fossil resources	IND		m				0.000001613

Comment: EN 15804 - is used as general expression, current versions have to be used, e.g. EN 15804+A1

FAQ - Document can be downloaded: http://www.oekobaudat.de/en/info/working-group-indata.html -> Documents

1) mandatory from 2020 on.