

EPD



IN ACCORDANCE WITH ISO 14025 AND EN 15804:2012+A2:2019 FOR:

from

PROGRAMME:

The International EPD® System, [www environdec.com](http://www.environdec.com)

PROGRAMME OPERATOR:

EPD International AB

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

GENERAL INFORMATION

Programme information

Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	info@environdec.com

CEN standard EN 15804 serves as the Core Product Category Rules (PCR)

Product category rules (PCR):

PCR review was conducted by:

Independent third-party verification of the declaration and data, according to ISO 14025:2006:

EPD process certification EPD verification

Third party verifier:

In case of accredited certification bodies:
Accredited by:

In case of recognised individual verifiers:
Approved by: The International EPD® System

Procedure for follow-up of data during EPD validity involves third party verifier:

Yes No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804. For further information about comparability, see EN 15804 and ISO 14025.



COMPANY INFORMATION

Owner of the EPD:

Contact:

Description of the organisation:

Product-related or management system-related certifications:

Name and location of production site(s):

PRODUCT INFORMATION

Product name:

Product identification:

Product description:

UN CPC code:

Other codes for product classification:

LCA INFORMATION

Functional unit / declared unit:

Reference service life:

Time representativeness:

Database(s) and LCA software used:

Description of system boundaries:

System diagram:

More information:

ENVIRONMENTAL PRODUCT DECLARATION

Modules declared, geographical scope, share of specific data (in GWP-GHG indicator) and data variation:

	Product stage		Construction process stage			Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D

CONTENT INFORMATION

Product components	Weight, kg	Post-consumer material, weight -%	Renewable material, weight -%
TOTAL			

ENVIRONMENTAL INFORMATION

For construction services, the total value of A1-A3 shall be replaced with the total value of A1-A5.

Potential environmental impact – mandatory indicators according to EN 15804

Results per functional or declared unit																			
Indicator	Unit	A1	A2	A3	Total A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP - fossil	kg CO ₂ eq.																		
GWP - biogenic	kg CO ₂ eq.																		
GWP - luluc	kg CO ₂ eq.																		
GWP - total	kg CO ₂ eq.																		
ODP	kg CFC 11 eq.																		
AP	mol H ⁺ eq.																		
EP - freshwater	kg PO ₄ ³⁻ eq.																		
EP - freshwater	kg P eq.																		
EP - marine	kg N eq.																		
EP - terrestrial	mol N eq.																		
POCP	kg NMVOC eq.																		
ADP - minerals & metals*	kg Sb eq.																		
ADP - fossil*	MJ																		
WDP	m ³																		
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption																		

*Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.

Potential environmental impact – additional mandatory and voluntary indicators

Results per functional or declared unit																			
Indicator	Unit	A1	A2	A3	Total A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG ¹	kg CO ₂ eq.																		
Additional voluntary indicators e.g. the voluntary indicators from EN 15804 or the global indicators according to ISO 21930:2017																			

Disclaimers shall be added, if required by EN 15804.

Use of resources

Results per functional or declared unit																			
Indicator	Unit	A1	A2	A3	Total A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ																		
PERM	MJ																		
PERT	MJ																		
PENRE	MJ																		
PENRM	MJ.																		
PENRT	MJ																		
SM	kg																		
RSF	MJ																		
NRSF	MJ																		
FW	m ³																		
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water																		

¹The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.

WASTE PRODUCTION AND OUTPUT FLOWS

Waste production

Results per functional or declared unit																			
Indicator	Unit	A1	A2	A3	Total A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg																		
Non-hazardous waste disposed	kg																		
Radioactive waste disposed	kg																		

Output flows

Results per functional or declared unit																			
Indicator	Unit	A1	A2	A3	Total A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg																		
Material for recycling	kg																		
Materials for energy recovery	kg																		
Exported energy, electricity	MJ																		
Exported energy, thermal	MJ																		

The result tables shall only contain values or the letters “ND” (Not Declared). It is not possible to specify ND for mandatory indicators. ND shall only be used for voluntary parameters that are not quantified because no data is available.

Information on biogenic carbon content

Results per functional or declared unit		
BIOGENIC CARBON CONTENT	Unit	QUANTITY
Biogenic carbon content in product	kg C	
Biogenic carbon content in packaging	kg C	

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂.

Other environmental indicators

ADDITIONAL INFORMATION

REFERENCES

General Programme Instructions of the International EPD® System. Version 3.01.