epddanmark

ECO PLATFORM EPD VERIFIED

Owner: Promal A/S
No.: MD-26003-EN
Issued: 18-12-2025
Valid to: 18-12-2030

3rd PARTY **VERIFIED**

EPD

VERIFIED ENVIRONMENTAL PRODUCT DECLARATION | **ISO 14025 & EN 15804**

Owner of declaration
Promal A/S
Joachim Wellers Vej 27, 7500 Holstebro
DK20669438
https://www.promal.dk/

Programme
EPD Danmark
www.epddanmark.dk

☐ Industry EPD
☒ Product EPD

☒ Product specific
☐ Average
☐ Worst Case

Declared product(s)
2- K Epoxy products:
- EP Uni
- EP SL
- EP TL
- EP Primer

Number of declared datasets/product variations: 4

Production site
Joachim Wellers Vej 27, 7500 Holstebro,
Denmark

Use of Guarantees of Origin
☒ No certificates used
☐ Electricity covered by GoO
☐ Biogas covered by GoO

Declared/ functional unit
1 kg

Year of production site data (A3)
2024

EPD version
No. 1

Issued:
18-12-2025

Valid to:
18-12-2030

Basis of calculation
This EPD is developed and verified in accordance with the European standard EN 15804+A2.

Comparability
EPDs of construction products may not be comparable if they do not comply with the requirements in EN 15804. EPD data may not be comparable if the datasets used are not developed in accordance with EN 15804 and if the background systems are not based on the same database.

Validity
This EPD has been verified in accordance with ISO 14025 and is valid for 5 years from the date of issue.

Use
The intended use of an EPD is to communicate scientifically based environmental information for construction products, for the purpose of assessing the environmental performance of buildings.

EPD type
☐Cradle-to-gate with modules C1-C4 and D
☒Cradle-to-gate with options, modules C1-C4 and D
☐Cradle-to-grave and module D
☐Cradle-to-gate
☐Cradle-to-gate with options

CEN standard EN 15804 serves as the core PCR

Independent verification of the declaration and data, according to EN ISO 14025

☐ internal ☒ external

Third party verifier:

Mirko Miseljic
LCA Specialists

Martha Katrine Sørensen
EPD Danmark

Life cycle stages and modules (MND = module not declared)																
Product			Construction process		Use							End of life				Beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport	Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Re-use, recovery and recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	ND	ND	ND	ND	ND	MD	ND	ND	ND	X	X	X	X	X

Product information

Product description

The main product components are shown in the table below.

	EP Uni	EP SL	EP TL	EP Primer
Material	Weight-% of declared product			
Amine curing agents and accelerators	15.20%	9.12%	16.33%	14.66%
Epoxy resins and dispersions	53.67%	68.00%	59.67%	50.34%
Reactive diluents	11.33%	11.20%	9.70%	22.47%
Solvents and small organic molecules	15.10%	8.68%	11.37%	4.17%
Specialty additives	2.50%	1.50%	0.00%	6.33%
Cutoff	2.20%	1.50%	2.93%	2.03%

Product packaging:

The composition of the sales- and transport packaging of the product is shown in the table below.

	EP Uni	EP SL	EP TL	EP Primer
Material	Weight of product packaging [kg]			
Plastic container (HDPE)	0.041	0.012	0.020	0.044
Tin plated steel container	0.019	0.076	0.097	0.087
Pallet (wood)	0.031	0.031	0.031	0.031
Cardboard	0.004	0.004	0.004	0.004
Material	Weight-% of product packaging			
Plastic container (HDPE)	43%	10%	13%	27%
Tin plated steel container	20%	62%	64%	52%
Pallet (wood)	33%	25%	20%	19%
Cardboard	4%	3%	3%	2%

Representativity

This declaration, including data collection and the modeled foreground system including results, represents the production of resinous coating products on the production site of Promal A/S located in Denmark. Product specific data are based on average values collected in the period 2024. Background data are based on Ecoinvent 3.11 and are less than 10 years old. Generally, the used background datasets are of high quality, and the majority of the datasets are only a couple of years old.

Data quality is assessed in accordance with the criteria defined in the UN Environment Global Guidance on LA database development as prescribed by Annex E in EN 15804+A2:2019.

End-of-life, declared in moduls C1-C4, is modelled representatively of the current Danish context.

Hazardous substances

The products declared does not contain substances listed on the "Candidate List of Substances of Very High Concern for authorisation"

(http://echa.europa.eu/candidate-list-table)

Product(s) use

The epoxy products include an epoxy resin and a corresponding epoxy hardener. The products in this group are used in various stages of installing seamless floor coatings, such as warehouse floors, workshop floors, garage floors, walkways, and floors in different production areas, as well as for the protection of various steel and concrete structures. The installation of seamless epoxy flooring includes, but is not limited to: priming, intermediate layers, and topcoat applications, using one or more different epoxy products.

Essential characteristics

Property	EP Uni	EP SL	EP TL	EP Primer
Density (kg/L)	1.12	1.3 (A) / 1.0 (B)	1.02	A:1.12 / B:1.0
Viscosity (cP)@))@20°C	800 @20°C	A:4000 / B:200@20°C	650 @23°C	A:600 / B:100 @20°C
Hardness	>50 D (24h)	>50 D (24h)	>45 D (24h)	>50 D
Pot life	35 min @20°C, 40 min @12°C	35–45 min @20°C	35 min @23°C	20 min, @20°C
Consumption	0.2–0.8 kg/m²	0.8–2.5 kg/m²	0.3–1.5 kg/m²	0.2–0.8 kg/m²
Application temp.	10–30°C	≥10°C≥10°C	10–30°C	≥10°C

Humidity limit	≤85% RF	≤85% RF	≤80% RF	≤85% RF

Drying & Curing Time:

- Touch-dry: 14–20 hours at 20–23°C.
- Fully cured: 7 days at 20–23°C.
- Overcoat window: 14–20 hours to 48 hours depending on product.

Storage & Shelf Life:

- Store at 5–25°C in original sealed containers.
- Shelf life: minimum 24 months.

Standards & Conformity

- EN 1504-2 – Concrete surface protection systems.
- EN 13813 – Screed materials and resin floorings.
- REACH Regulation (EC) 1907/2006.
- CLP Regulation (EC) 1272/2008.
- EN ISO 2811 (density).
- EN ISO 868 (hardness).
- EN ISO 3219 (viscosity).

Additional information about the epoxy products can be obtained by contacting the manufacturer or on the manufacturer's website:

https://www.promal.dk/

Reference Service Life (RSL)

No Reference Service Life (RSL) is declared as the use stage is not included.

Picture of product(s)

EPD 1. 2-K epoxy products

Profloor EP-Uni

Profloor EP-SL

Profloor EP-TL

Profloor EP-Primer

LCA background

Declared unit

The LCI and LCIA results in this EPD are calculated for a kg of epoxy product.

	Declared unit	Density	Conversion factor to 1 kg.
Unit	kg	kg/l	-
EP Uni	1	1.12	1
EP SL	1	1.24	1
EP TL	1	1.02	1
EP Primer	1	1.08	1

Functional unit

Not defined

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804:2012+A2:2019

Energy modelling principles

Foreground system:

No Guarantee of Origin (GoO) certificates are used in this EPD. Consumption of electricity at the production site of Promal A/S is modelled with the residual grid mix in Denmark.

Heat is used by Promal A/S in the production of the declared products, as room heating, as well as for heating epoxy resins contained in the products. This heat is modelled with a 100kW light fuel oil boiler, similar to what is used by Promal.

Electricity used by equipment during the formulation of the declared products is modelled using a dataset for the residual grid mix in Denmark.

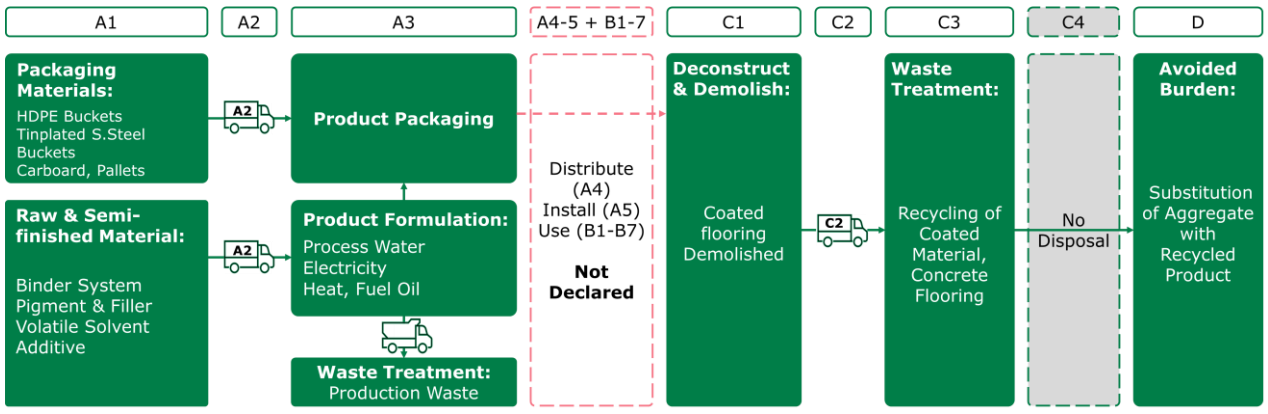
Information about the energy mix in the foreground system:

Energy mix	EF	Unit
Residual grid mix, electricity, medium voltage | DK	0,724	kg CO_2e/kWh
Heat production, light fuel oil, at boiler 100kW, non-modulating | Heat, Central or small-scale, other than natural gas | Europe without Switzerland.	0,102	kg CO_2e/MJ

Background system:

For processes both upstream and downstream of the production process declared in module A3, the background data for electricity consumption is based on average national electrical grid mix consumptions as opposed to a residual grid mix as with the foreground system. To do otherwise is not possible for background data within the ecoinvent datasets.

Flowdiagram



System boundary

This EPD is based on a cradle-to-gate with options, modules C1-C4 and D, LCA, in which over 95 weight-% has been accounted for.

The general rules for the exclusion of inputs and outputs follows the requirements in EN 15804, 6.3.5, where the total of neglected input flows per module shall be a maximum of 5 % of energy usage and mass and 1 % of energy usage and mass for unit processes.

This EPD applies the "Cut-off by classification" system boundary according to EN 15804. No upstream environmental burdens are allocated to recycled inputs; all impacts from waste processing and recycling are assigned to the product system generating the waste.

Allocation

The inventory values for 1kg of 2K-Epoxy Products were calculated by considering the total produced kg of product in 2024. Annual production percentages are taken into account for allocation, according to the ratio of the annual production of the declared product to the total annual production. The annual consumption of Fuel, Electricity, and water consumption as well as packaging materials and waste producer per declared products are allocated uniformly by mass, except for 10% of fuel oil specifically used to heat epoxy resins, which was allocated by the mass of resin used in the products.

Product stage (A1-A3) includes:

A1 – Extraction and processing of raw materials

A2 – Transport to the production site

A3 – Manufacturing processes

The product stage comprises the acquisition of all raw materials, products and energy, transport to the production site, product formulation, product packaging, transport of production waste and processing of waste up to the ”end-of-waste” state or final disposal. The LCA results are declared in aggregated form for the product stage, which means, that the sub-modules A1, A2 and A3 are declared as one module A1-A3.

The manufacturing of the resin-based flooring products detailed in this EPD takes place at Promal A/S in Holstebro, Denmark.

Product formulations are based on blends of epoxy resins, hardeners, alcohols, and additives, with each product (such as EP Uni, EP SL, EP TL, and EP Primer) tailored to specific performance applications.

The production process consists of dosing and mixing chemical ingredients in dedicated industrial mixers, quality control testing, and packaging in both plastic and metal containers, before being placed on pallets lined with cardboard for transport.

All products and packaging waste are managed according to best environmental practices.

The EPD results cover the entire product stage from cradle-to-gate, presented as an aggregated A1-A3 module in the results.

Construction process stage (A4-A5) includes:

Not included

Use stage (B1-B7) includes:

Not included

End of Life (C1-C4) includes:

The end-of-life stage for resin-based flooring coatings begins with the removal of the coated concrete elements from the building at deconstruction or renovation. Removal is assumed to be performed using standard demolition equipment such as handheld jackhammers and is electrically powered, with consumption calculated according to typical industry data.

After dismantling, the demolished building elements, with the coating, are transported an assumed distance of 50 km by truck to a waste treatment facility.

The waste treatment of the coating follows the same end-of-life pathway as the concrete floor it’s hardened into, as its currently not designed to be feasibly separated. It is therefore crushed and

recycled as a low-grade aggregate for road sub-base material.

None of the declared products are disposed of in landfill.

Re-use, recovery and recycling potential (D) includes:

Module D represents benefits or loads beyond the system boundary. In accordance with the guidelines of EN15804+A2, only virgin materials are credited in module D.

The recycled materials displace the use of virgin gravel as road sub-base material.

LCA results

ENVIRONMENTAL IMPACTS PER KG OF EP UNI							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	7.29E+00	2.64E-05	8.04E-03	3.79E-03	0.00E+00	-5.81E-03
GWP-fossil	[kg CO_2 eq.]	7.18E+00	2.64E-05	8.03E-03	3.79E-03	0.00E+00	-5.74E-03
GWP-biogenic	[kg CO_2 eq.]	-8.30E-02	-1.56E-08	5.58E-06	7.67E-07	0.00E+00	-6.92E-05
GWP-luluc	[kg CO_2 eq.]	2.00E-01	1.14E-08	2.70E-06	3.87E-07	0.00E+00	-2.99E-06
ODP	[kg CFC 11 eq.]	2.08E-07	6.51E-13	1.75E-10	5.62E-11	0.00E+00	-9.71E-11
AP	[mol H^+ eq.]	3.13E-02	1.53E-07	1.72E-05	3.38E-05	0.00E+00	-3.70E-05
EP-freshwater	[kg P eq.]	3.22E-04	1.97E-09	5.98E-08	1.32E-08	0.00E+00	-8.69E-08
EP-marine	[kg N eq.]	7.50E-03	1.96E-08	4.05E-06	1.57E-05	0.00E+00	-1.20E-05
EP-terrestrial	[mol N eq.]	6.75E-02	2.36E-07	4.49E-05	1.70E-04	0.00E+00	-1.50E-04
POCP	[kg NMVOC eq.]	2.78E-02	6.71E-08	2.74E-05	5.16E-05	0.00E+00	-4.30E-05
ADPm[1]	[kg Sb eq.]	1.11E-04	9.56E-10	2.82E-08	1.39E-09	0.00E+00	-5.63E-08
ADPf[1]	[MJ]	1.25E+02	3.10E-04	1.14E-01	4.93E-02	0.00E+00	-8.45E-02
WDP[1]	[m^3 world eq. deprived]	2.96E+00	4.97E-06	6.10E-04	1.30E-04	0.00E+00	-1.37E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

ADDITIONAL ENVIRONMENTAL IMPACTS PER KG OF EP UNI							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	3.44E-07	6.62E-13	5.99E-10	7.37E-09	0.00E+00	-8.32E-10
IRP[2]	[kBq U235 eq.]	1.89E-01	1.51E-07	4.99E-05	8.20E-06	0.00E+00	-3.50E-04
ETP-fw[1]	[CTUe]	1.23E+02	1.20E-04	1.53E-02	2.67E-03	0.00E+00	-1.90E-02
HTP-c[1]	[CTUh]	7.77E-09	1.26E-14	1.35E-12	3.86E-13	0.00E+00	-2.33E-12
HTP-nc[1]	[CTUh]	7.91E-08	7.92E-13	7.20E-11	6.09E-12	0.00E+00	-6.72E-11
SQP[1]	-	8.09E+01	7.68E-05	6.85E-02	3.27E-03	0.00E+00	-1.22E-01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.						
	[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

RESOURCE USE PER KG OF EP UNI							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1.86E+01	4.60E-04	1.88E-03	3.10E-04	0.00E+00	-1.63E-02
PERM	[MJ]	2.59E+00	0.00E+00	0.00E+00	-2.59E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.17E+01	4.60E-04	1.88E-03	3.10E-04	0.00E+00	-1.63E-02
PENRE	[MJ]	9.51E+01	3.10E-04	1.14E-01	4.93E-02	0.00E+00	-8.45E-02
PENRM	[MJ]	2.81E+01	0.00E+00	0.00E+00	-2.81E+01	0.00E+00	0.00E+00
PENRT	[MJ]	1.25E+02	3.10E-04	1.14E-01	4.93E-02	0.00E+00	-8.45E-02
SM	[kg]	5.29E-01	4.71E-07	1.10E-04	2.82E-05	0.00E+00	-2.40E-04
RSF	[MJ]	1.50E-01	7.31E-08	2.62E-05	2.93E-06	0.00E+00	-4.41E-05
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	7.25E-02	1.17E-07	1.40E-05	3.16E-06	0.00E+00	-3.20E-04
Caption	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 resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER KG OF EP UNI							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1.78E+00	7.70E-07	1.20E-04	4.40E-05	0.00E+00	-2.90E-04
NHWD	[kg]	7.26E+00	8.58E-06	1.26E-03	3.20E-04	0.00E+00	-3.58E-03
RWD	[kg]	1.41E-04	9.91E-11	3.40E-08	5.16E-09	0.00E+00	-1.91E-07
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	3.25E-01	5.85E-07	1.00E-04	8.61E-01	0.00E+00	-1.80E-04
MER	[kg]	3.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	2.20E+00	1.69E-05	2.22E-05	2.30E-06	0.00E+00	-2.70E-04
EET	[MJ]	4.07E+00	4.27E-08	2.69E-05	1.09E-06	0.00E+00	-3.17E-05
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

BIOGENIC CARBON CONTENT PER KG OF EP UNI		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	4.87E-02
Biogenic carbon content in accompanying packaging	[kg C]	2.26E-03
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

ENVIRONMENTAL IMPACTS PER KG OF EP SL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1.27E+01	2.80E-05	8.53E-03	4.02E-03	0.00E+00	-6.16E-03
GWP-fossil	[kg CO_2 eq.]	1.26E+01	2.80E-05	8.52E-03	4.02E-03	0.00E+00	-6.09E-03
GWP-biogenic	[kg CO_2 eq.]	8.35E-02	-1.66E-08	5.92E-06	8.13E-07	0.00E+00	6.99E-02
GWP-luluc	[kg CO_2 eq.]	4.26E-02	1.21E-08	2.87E-06	4.11E-07	0.00E+00	-3.17E-06
ODP	[kg CFC 11 eq.]	2.66E-07	6.91E-13	1.86E-10	5.96E-11	0.00E+00	-1.03E-10
AP	[mol H^+ eq.]	6.46E-02	1.63E-07	1.83E-05	3.59E-05	0.00E+00	-3.92E-05
EP-freshwater	[kg P eq.]	6.82E-04	2.09E-09	6.34E-08	1.41E-08	0.00E+00	-9.22E-08
EP-marine	[kg N eq.]	1.24E-02	2.08E-08	4.30E-06	1.67E-05	0.00E+00	-1.27E-05
EP-terrestrial	[mol N eq.]	1.34E-01	2.50E-07	4.76E-05	1.80E-04	0.00E+00	-1.60E-04
POCP	[kg NMVOC eq.]	4.86E-02	7.12E-08	2.90E-05	5.47E-05	0.00E+00	-4.56E-05
ADPm[1]	[kg Sb eq.]	3.10E-04	1.01E-09	2.99E-08	1.48E-09	0.00E+00	-5.98E-08
ADPf[1]	[MJ]	1.89E+02	3.30E-04	1.21E-01	5.23E-02	0.00E+00	-8.96E-02
WDP[1]	[m^3 world eq. deprived]	5.26E+00	5.28E-06	6.40E-04	1.30E-04	0.00E+00	-1.46E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

ADDITIONAL ENVIRONMENTAL IMPACTS PER KG OF EP SL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	7.83E-07	7.03E-13	6.36E-10	7.82E-09	0.00E+00	-8.83E-10
IRP[2]	[kBq U235 eq.]	3.58E-01	1.61E-07	5.29E-05	8.70E-06	0.00E+00	-3.70E-04
ETP-fw[1]	[CTUe]	1.84E+02	1.20E-04	1.63E-02	2.84E-03	0.00E+00	-2.01E-02
HTP-c[1]	[CTUh]	1.52E-08	1.34E-14	1.43E-12	4.10E-13	0.00E+00	-2.48E-12
HTP-nc[1]	[CTUh]	1.85E-07	8.40E-13	7.64E-11	6.46E-12	0.00E+00	-7.13E-11
SQP[1]	-	9.99E+01	8.15E-05	7.27E-02	3.47E-03	0.00E+00	-1.29E-01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.						
	[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

RESOURCE USE PER KG OF EP SL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3.29E+01	4.80E-04	2.00E-03	3.30E-04	0.00E+00	-1.73E-02
PERM	[MJ]	1.18E+00	0.00E+00	0.00E+00	-1.18E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.46E+01	4.80E-04	2.00E-03	3.30E-04	0.00E+00	-1.73E-02
PENRE	[MJ]	1.59E+02	3.30E-04	1.21E-01	5.23E-02	0.00E+00	-8.96E-02
PENRM	[MJ]	2.96E+01	0.00E+00	0.00E+00	-2.96E+01	0.00E+00	0.00E+00
PENRT	[MJ]	1.89E+02	3.30E-04	1.21E-01	5.23E-02	0.00E+00	-8.96E-02
SM	[kg]	1.22E+00	5.00E-07	1.20E-04	2.99E-05	0.00E+00	-2.50E-04
RSF	[MJ]	2.24E-01	7.75E-08	2.78E-05	3.11E-06	0.00E+00	-4.68E-05
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	1.25E-01	1.24E-07	1.48E-05	3.35E-06	0.00E+00	-3.40E-04
Caption	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 = Net use of fresh water						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER KG OF EP SL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	6.41E+00	8.17E-07	1.20E-04	4.67E-05	0.00E+00	-3.10E-04
NHWD	[kg]	1.26E+01	9.10E-06	1.33E-03	3.40E-04	0.00E+00	-3.80E-03
RWD	[kg]	2.61E-04	1.05E-10	3.61E-08	5.47E-09	0.00E+00	-2.03E-07
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	5.23E-01	6.21E-07	1.10E-04	9.13E-01	0.00E+00	-1.90E-04
MER	[kg]	3.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	2.24E+00	1.80E-05	2.36E-05	2.44E-06	0.00E+00	-2.80E-04
EET	[MJ]	4.24E+00	4.53E-08	2.85E-05	1.16E-06	0.00E+00	-3.37E-05
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Com-ponents for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

BIOGENIC CARBON CONTENT PER KG OF EP SL		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	1.70E-02
Biogenic carbon content in accompanying packag-ing	[kg C]	2.26E-03
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

ENVIRONMENTAL IMPACTS PER KG OF EP TL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1.46E+01	2.78E-05	8.47E-03	3.99E-03	0.00E+00	-6.12E-03
GWP-fossil	[kg CO_2 eq.]	1.44E+01	2.78E-05	8.46E-03	3.99E-03	0.00E+00	-6.04E-03
GWP-biogenic	[kg CO_2 eq.]	1.49E-01	-1.65E-08	5.88E-06	8.07E-07	0.00E+00	-7.29E-05
GWP-luluc	[kg CO_2 eq.]	2.59E-02	1.20E-08	2.85E-06	4.08E-07	0.00E+00	-3.15E-06
ODP	[kg CFC 11 eq.]	2.78E-07	6.86E-13	1.84E-10	5.92E-11	0.00E+00	-1.02E-10
AP	[mol H^+ eq.]	7.43E-02	1.61E-07	1.82E-05	3.56E-05	0.00E+00	-3.89E-05
EP-freshwater	[kg P eq.]	8.22E-04	2.08E-09	6.29E-08	1.39E-08	0.00E+00	-9.15E-08
EP-marine	[kg N eq.]	1.40E-02	2.06E-08	4.27E-06	1.66E-05	0.00E+00	-1.26E-05
EP-terrestrial	[mol N eq.]	1.52E-01	2.48E-07	4.72E-05	1.80E-04	0.00E+00	-1.60E-04
POCP	[kg NMVOC eq.]	5.46E-02	7.07E-08	2.88E-05	5.43E-05	0.00E+00	-4.52E-05
ADPm[1]	[kg Sb eq.]	3.71E-04	1.01E-09	2.97E-08	1.47E-09	0.00E+00	-5.93E-08
ADPf[1]	[MJ]	2.11E+02	3.30E-04	1.20E-01	5.19E-02	0.00E+00	-8.89E-02
WDP[1]	[m^3 world eq. deprived]	6.13E+00	5.24E-06	6.40E-04	1.30E-04	0.00E+00	-1.45E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential							
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

ADDITIONAL ENVIRONMENTAL IMPACTS PER KG OF EP TL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	9.35E-07	6.98E-13	6.31E-10	7.76E-09	0.00E+00	-8.76E-10
IRP[2]	[kBq U235 eq.]	4.17E-01	1.59E-07	5.25E-05	8.63E-06	0.00E+00	-3.70E-04
ETP-fw[1]	[CTUe]	2.04E+02	1.20E-04	1.61E-02	2.82E-03	0.00E+00	-2.00E-02
HTP-c[1]	[CTUh]	1.72E-08	1.33E-14	1.42E-12	4.07E-13	0.00E+00	-2.46E-12
HTP-nc[1]	[CTUh]	2.20E-07	8.34E-13	7.58E-11	6.42E-12	0.00E+00	-7.08E-11
SQP[1]	-	1.07E+02	8.09E-05	7.22E-02	3.44E-03	0.00E+00	-1.28E-01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.						
	[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

RESOURCE USE PER KG OF EP TL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3.83E+01	4.80E-04	1.98E-03	3.30E-04	0.00E+00	-1.71E-02
PERM	[MJ]	3.11E-01	0.00E+00	0.00E+00	-3.11E-01	0.00E+00	0.00E+00
PERT	[MJ]	3.92E+01	4.80E-04	1.98E-03	3.30E-04	0.00E+00	-1.71E-02
PENRE	[MJ]	1.80E+02	3.30E-04	1.20E-01	5.19E-02	0.00E+00	-8.90E-02
PENRM	[MJ]	2.99E+01	0.00E+00	0.00E+00	-2.99E+01	0.00E+00	0.00E+00
PENRT	[MJ]	2.11E+02	3.30E-04	1.20E-01	5.19E-02	0.00E+00	-8.90E-02
SM	[kg]	1.46E+00	4.96E-07	1.20E-04	2.97E-05	0.00E+00	-2.50E-04
RSF	[MJ]	2.46E-01	7.70E-08	2.76E-05	3.08E-06	0.00E+00	-4.65E-05
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	1.45E-01	1.23E-07	1.47E-05	3.33E-06	0.00E+00	-3.30E-04
Caption	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 = Net use of fresh water						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER KG OF EP TL							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	8.09E+00	8.10E-07	1.20E-04	4.63E-05	0.00E+00	-3.10E-04
NHWD	[kg]	1.46E+01	9.03E-06	1.32E-03	3.40E-04	0.00E+00	-3.77E-03
RWD	[kg]	2.91E-04	1.04E-10	3.58E-08	5.43E-09	0.00E+00	-2.01E-07
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	5.79E-01	6.16E-07	1.10E-04	9.06E-01	0.00E+00	-1.90E-04
MER	[kg]	3.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	2.26E+00	1.78E-05	2.34E-05	2.42E-06	0.00E+00	-2.80E-04
EET	[MJ]	4.32E+00	4.50E-08	2.83E-05	1.15E-06	0.00E+00	-3.34E-05
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Com-ponents for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

BIOGENIC CARBON CONTENT PER KG OF EP TL		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon con-tent in product	[kg C]	4.48E-03
Biogenic carbon con-tent in accompanying packaging	[kg C]	2.26E-03
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

ENVIRONMENTAL IMPACTS PER KG OF EP PRIMER							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1.31E+01	2.94E-05	8.95E-03	4.22E-03	0.00E+00	-6.47E-03
GWP-fossil	[kg CO_2 eq.]	1.32E+01	2.94E-05	8.94E-03	4.22E-03	0.00E+00	-6.39E-03
GWP-biogenic	[kg CO_2 eq.]	-5.23E-01	-1.74E-08	6.22E-06	5.00E-01	0.00E+00	-7.71E-05
GWP-luluc	[kg CO_2 eq.]	4.86E-01	1.27E-08	3.01E-06	4.31E-07	0.00E+00	-3.33E-06
ODP	[kg CFC 11 eq.]	2.53E-07	7.25E-13	1.95E-10	6.26E-11	0.00E+00	-1.08E-10
AP	[mol H^+ eq.]	6.90E-02	1.71E-07	1.92E-05	3.77E-05	0.00E+00	-4.12E-05
EP-freshwater	[kg P eq.]	8.12E-04	2.20E-09	6.66E-08	1.47E-08	0.00E+00	-9.68E-08
EP-marine	[kg N eq.]	1.66E-02	2.18E-08	4.51E-06	1.75E-05	0.00E+00	-1.34E-05
EP-terrestrial	[mol N eq.]	1.46E-01	2.62E-07	4.99E-05	1.90E-04	0.00E+00	-1.70E-04
POCP	[kg NMVOC eq.]	5.05E-02	7.48E-08	3.05E-05	5.74E-05	0.00E+00	-4.78E-05
ADPm[1]	[kg Sb eq.]	3.31E-04	1.06E-09	3.14E-08	1.55E-09	0.00E+00	-6.27E-08
ADPf[1]	[MJ]	1.93E+02	3.50E-04	1.27E-01	5.49E-02	0.00E+00	-9.41E-02
WDP[1]	[m^3 world eq. deprived]	7.52E+00	5.54E-06	6.70E-04	1.40E-04	0.00E+00	-1.53E-02
Caption	GWP-total = Globale Warming Potential - total; 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 = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water depletion potential						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

ADDITIONAL ENVIRONMENTAL IMPACTS PER KG OF EP PRIMER							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	8.77E-07	7.38E-13	6.67E-10	8.20E-09	0.00E+00	-9.26E-10
IRP[2]	[kBq U235 eq.]	3.80E-01	1.68E-07	5.56E-05	9.13E-06	0.00E+00	-3.90E-04
ETP-fw[1]	[CTUe]	1.96E+02	1.30E-04	1.71E-02	2.98E-03	0.00E+00	-2.11E-02
HTP-c[1]	[CTUh]	1.62E-08	1.40E-14	1.50E-12	4.30E-13	0.00E+00	-2.60E-12
HTP-nc[1]	[CTUh]	2.03E-07	8.82E-13	8.02E-11	6.78E-12	0.00E+00	-7.48E-11
SQP[1]	-	1.40E+02	8.55E-05	7.63E-02	3.64E-03	0.00E+00	-1.36E-01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: $1,95*10^2$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.						
	[2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

RESOURCE USE PER KG OF EP PRIMER							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	4.08E+01	5.10E-04	2.10E-03	3.50E-04	0.00E+00	-1.81E-02
PERM	[MJ]	7.03E+00	0.00E+00	0.00E+00	-7.03E+00	0.00E+00	0.00E+00
PERT	[MJ]	4.83E+01	5.10E-04	2.10E-03	3.50E-04	0.00E+00	-1.81E-02
PENRE	[MJ]	1.67E+02	3.50E-04	1.27E-01	5.49E-02	0.00E+00	-9.41E-02
PENRM	[MJ]	2.45E+01	0.00E+00	0.00E+00	-2.45E+01	0.00E+00	0.00E+00
PENRT	[MJ]	1.94E+02	3.50E-04	1.27E-01	5.49E-02	0.00E+00	-9.41E-02
SM	[kg]	1.41E+00	5.25E-07	1.20E-04	3.14E-05	0.00E+00	-2.70E-04
RSF	[MJ]	2.25E-01	8.14E-08	2.92E-05	3.26E-06	0.00E+00	-4.91E-05
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m^3]	1.77E-01	1.31E-07	1.55E-05	3.52E-06	0.00E+00	-3.50E-04
Caption	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 = Net use of fresh water						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER KG OF EP PRIMER							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	7.32E+00	8.57E-07	1.30E-04	4.90E-05	0.00E+00	-3.20E-04
NHWD	[kg]	1.40E+01	9.55E-06	1.40E-03	3.60E-04	0.00E+00	-3.99E-03
RWD	[kg]	2.71E-04	1.10E-10	3.79E-08	5.74E-09	0.00E+00	-2.13E-07
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	5.94E-01	6.51E-07	1.10E-04	9.58E-01	0.00E+00	-2.00E-04
MER	[kg]	3.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	2.24E+00	1.89E-05	2.48E-05	2.56E-06	0.00E+00	-3.00E-04
EET	[MJ]	4.28E+00	4.75E-08	2.99E-05	1.21E-06	0.00E+00	-3.53E-05
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Com-ponents for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy						
	The numbers are declared in scientific notation, e.g. 1,95E+02. This number can also be written as: $1,95*10^{2}$ or 195, while 1,12E-11 is the same as $1,12*10^{-11}$ or 0,0000000000112.						

BIOGENIC CARBON CONTENT PER KG OF EP PRIMER		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	[kg C]	1.34E-01
Biogenic carbon content in accompa-nying packaging	[kg C]	2.26E-03
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO_2	

Additional information

LCA interpretation

The raw materials binders and resins used in module A1 have the highest impact on results such as global warming potential.

Technical information on scenarios

Transport to the building site (A4)
Not declared

Installation of the product in the building (A5)
Not declared

Reference service life
Not declared

Use (B1-B7)
Not declared

End of life (C1-C4)

Scenario information	EP Uni	EP SL	EP TL	EP Primer	Unit
Collected separately	-	-	-	-	%
Collected with mixed waste	100	100	100	100	%
For reuse	-	-	-	-	kg
For recycling	0.861	0.913	0.906	0.958	kg
For energy recovery	-	-	-	-	kg
For final disposal	-	-	-	-	kg
Assumptions for scenario development	Product assumed to be used as coating on Concrete Flooring which is then crushed and recycled as aggregate for road/backfill upon reaching End-of-life				-

Re-use, recovery and recycling potential (D)

Scenario information/Material	EP Uni	EP SL	EP TL	EP Primer	Unit
Displaced material	0.861	0.913	0.906	0.958	kg
Energy recovery from waste incineration	-	-	-	-	MJ

Indoor air

The EPD does not give information on release of dangerous substances to indoor air because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.1.

Soil and water

The EPD does not give information on release of dangerous substances to soil and water because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.2.

References

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General programme instructions
General Programme Instructions, version 3.0, spring 2025
www.epddanmark.dk

Technical Rules and Guidelines
Technical Rules and Guidelines, version 1.0, spring 2025
www.epddanmark.dk

EN 15804
DS/EN 15804 + A2:2019 - "Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products"

EN 15942
DS/EN 15942:2011 – " Sustainability of construction works – Environmental product declarations – Communication format business-to-business"

ISO 14025
DS/EN ISO 14025:2010 – " Environmental labels and declarations – Type III environmental declarations – Principles and procedures"

ISO 14040
DS/EN ISO 14040:2008 – ” Environmental management – Life cycle assessment – Principles and frame-work”

ISO 14044
DS/EN ISO 14044:2008 – ” Environmental management – Life cycle assessment – Requirements and guidelines”