epddanmark

ECO PLATFORM EPD VERIFIED

Owner: Holmris B8
No.: MD-24101-EN
Issued: 12-11-2024
Valid to: 12-11-2029

3rd PARTY **VERIFIED**

EPD

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

Owner of declaration
Holmris B8 A/S
Odinsvej 5, 8850 Bjerringbro
21320080

Programme
EPD Danmark
www.epddanmark.dk

☐ Industry EPD
☒ Product EPD

Declared product(s)
Placa 212x110x74, Placa 212x110x90, Placa 282x110x74, Placa 282x110x90, Placa 353x110x74, Placa 353x110x90, Placa 424x110x74, Placa 424x110x90, Placa Ø150x74, Placa Ø150x90

Number of declared datasets/product variations: 10

Production site
Odinsvej 5, 8850 Bjerringbro, Denmark

Use of Guarantees of Origin
☐ No certificates used
☒ Electricity covered by GoO for one supplier and residual mix for everything else
☐ Biogas covered by GoO

Functional unit
Production of one table solution provided and maintained for a period of 15 years.

Year of production site data (A3)
2024

EPD version
1.0

Issued: 12-11-2024
Valid to: 12-11-2029

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:

David Althoff Palm, Dalemarken AB

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	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Product information

Product description

The Placa Recrafted table series is made from recycled tabletops from old, discarded desks. The old desks are collected and sent for sawing, where they are cut to size and then powder-coated.

The main product components are shown in the table below.

Production composition of	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90
Material	**Amount [kg]**									
Pine wood	2,80	2,80	4,50	4,50	5,83	5,83	7,27	7,27	1,48	1,48
MDF	58,52	63,91	70,38	75,77	105,03	116,27	116,89	128,13	49,40	53,25
Coating powder	1,47	1,60	1,80	1,93	2,67	2,93	3,00	3,26	1,22	1,31
Steel	0,55	0,55	0,64	0,64	0,96	0,96	1,05	1,05	0,38	0,38
Plastic	0,12	0,12	0,12	0,12	0,18	0,18	0,18	0,18	0,07	0,07
Sum	63,46	68,98	77,43	82,95	114,67	126,18	128,38	139,88	52,54	56,48
	Weight-% of declared product									
Pine wood	4,42	4,06	5,82	5,43	5,09	4,62	5,66	5,19	2,81	2,62
MDF	92,21	92,65	90,89	91,34	91,59	92,15	91,05	91,60	94,02	94,28
Coating powder	2,32	2,32	2,32	2,32	2,33	2,32	2,33	2,33	2,31	2,31
Steel	0,87	0,80	0,82	0,77	0,84	0,76	0,82	0,75	0,72	0,67
Plastic	0,18	0,17	0,15	0,14	0,16	0,15	0,14	0,13	0,13	0,12

Product packaging:

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

Packaging composition of	141x110x74	141x110x90	212x110x74	212x110x90	282x110x74	282x110x90	Ø150x74	Ø150x90
Material	**Amount [kg]**							
Polypropylene	0,001							
Corrugated cardboard box	2,80							
MDF	0,03							
Steel	0,15							
LDPE	0,50							
EUR-pallet	22,00							
Pine	0,26							
Sum	25,75							
	Weight-% of packaging							
Polypropylene	0,00							
Corrugated cardboard box	10,87							
MDF	0,13							
Steel	0,59							
LDPE	1,94							
EUR-pallet	85,44							
Pine	1,03							

Representativity

This declaration, including data collection and the modeled foreground system including results, represents the production of the Placa conference/meeting table series on the production site located in Bjerringbro, Denmark (and Vinderup, Varde and Gredstedbro, Denmark). Product specific data are based on measurements and average values collected in the period from February to May 2024. Background data are based on the Ecoinvent 3.10 EN 15804 database and are less than 10 years old. The majority of the datasets are only a couple of years old. The market this EPD is made for is Denmark, as the tables are produces, used and undergo end of life treatment in Denmark.

Hazardous substances

The Placa conference/meeting table series 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 A-Table conference/meeting table series provide a level surface for conferences/meetings.

Essential characteristics

Further technical information can be obtained by contacting the manufacturer or on the manufacturer's website:

https://www.holmrisb8.com

Reference Service Life (RSL)

The RSL of the product is 15 years.

Picture of product(s)

LCA background

Functional unit

The LCI and LCIA results in this EPD relates to one Placa table (10 variants).

FU: Production of one table solution provided and maintained for a period of 15 years.

	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90	
Name	**Value**										**Unit**
Functional unit	1	1	1	1	1	1	1	1	1	1	Item
Density	63,46	68,98	77,43	82,95	114,67	126,18	128,38	139,88	52,54	56,48	kg/item
Convertion factor to 1 kg	0,016	0,014	0,013	0,012	0,009	0,008	0,008	0,007	0,019	0,018	-

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804, and NPCR 026:2022 – Part B for Furniture.

Energy modelling principles

Foreground system:

The product is produced using energy covered by GoO in parts of the production (powder coating). The renewable energy covered by GoO is modelled based on the share of respectively solar (14%) and wind (86%) energy in Denmark in 2022. Remaining energy processes is modelled using Danish residual electricity mix.

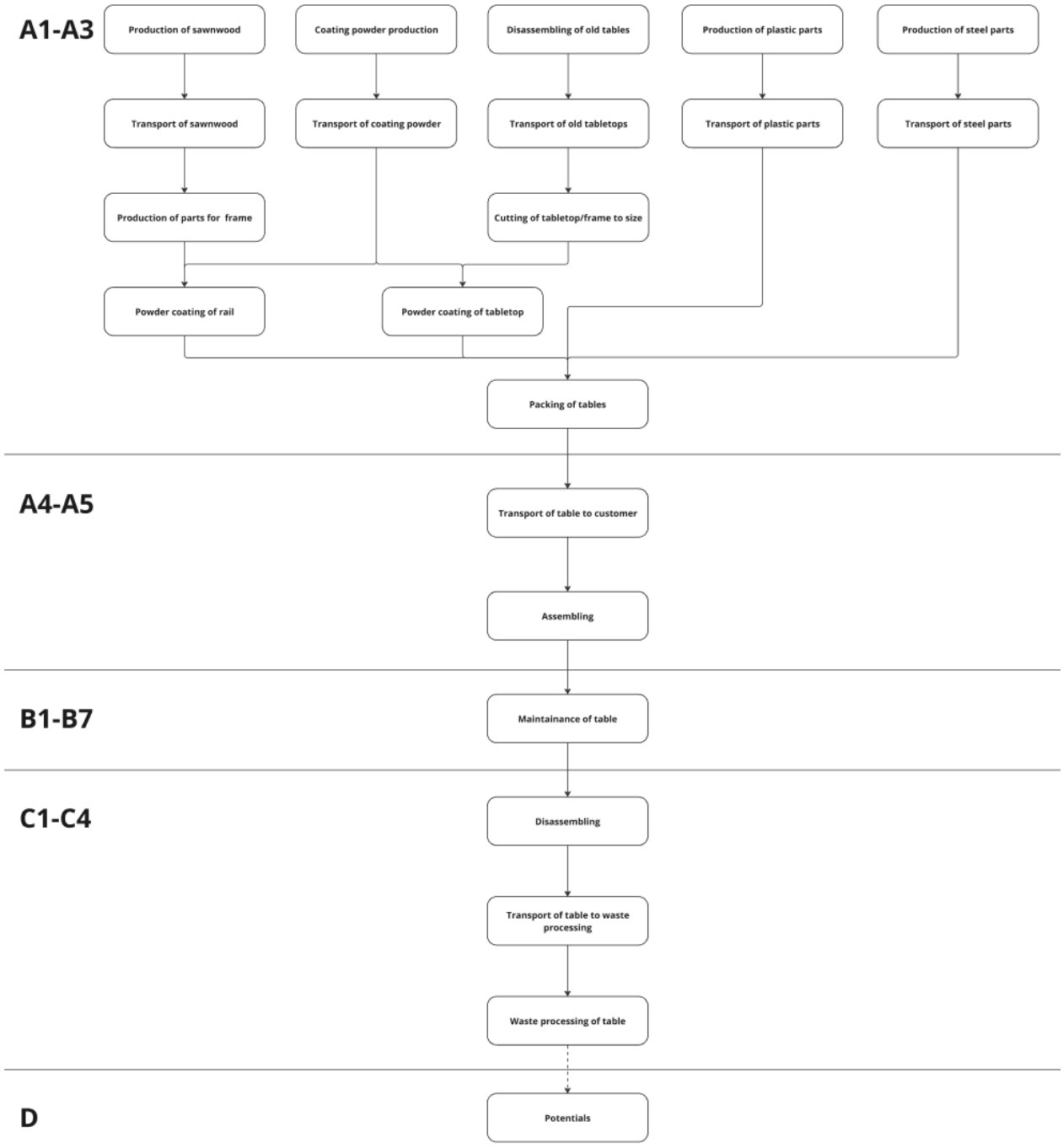
Danish residual energy mix: 0,63 kg CO2e/kWh

Electricity covered by GoO: 0,03 kg CO2e/kWh

Background system:

Upstream processes are modelled using Danish residual electricity mix. Downstream processes are modelled using Danish market for electricity.

Flowdiagram


A1-A3
Production of sawnwood
Coating powder production
Disassembling of old tables
Production of plastic parts
Production of steel parts
Transport of sawnwood
Transport of coating powder
Transport of old tabletops
Transport of plastic parts
Transport of steel parts
Production of parts for frame
Cutting of tabletop/frame to size
Powder coating of rail
Powder coating of tabletop
Packing of tables
A4-A5
Transport of table to customer
Assembling
B1-B7
Maintainance of table
C1-C4
Disassembling
Transport of table to waste processing
Waste processing of table
D
Potentials

System boundary

This EPD is based on a cradle-to-grave LCA, in which 100 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.

Energy consumption in the production of pine wood parts is based on mass allocation.

Waste from cutting of MDF is based in mass allocation.

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, packaging and waste processing up to the "end-of-waste" state.

Both the tabletop and frame are manufactured from recycled MDF from old tables mainly sources from offices in Greater Copenhagen, Denmark. The MDF is cut to size in Gredstedbro, Denmark and powder coated in Varde, Denmark. The rails are manufactured from pine wood from Sweden and Finland in Vinderup, Denmark, and are powder coated in Varde, Denmark. All parts (including prefabricated plastic and steel components) are transported to and packaged in Bjerringbro, Denmark.

Construction process stage (A4-A5) includes:

The construction phase includes transport from the factory gate to the customer, as well as installation in the form of product assembly. Additionally, the waste treatment of packaging from the products is also included in this phase.

Use stage (B1-B7) includes:

B2 – Maintenance

It is recommended by the manufacture that the tabletop is cleaned using a soft cloth and water, thus this is assumed.

B1 + B3-B7 are not relevant for the products as it is furniture

End of Life (C1-C4) includes:

C1-C4 involves the handling of the products at the end-of-life stage by the end-customer.

C1 – Disassembling

It is assumed that the end-customer disassembles the product and sorts it as residual waste.

C2 – Transport to end-of-life treatment

This module includes the transport of the tables to the end-of-life treatment.

C3 – Waste processing

It is assumed that the tables are incinerated with heat and electricity recovery.

C4 – Disposal

Disposal of incineration residue is included in C3.

The energy recovery will be stated as a benefit to the product life cycle since it will substitute primary energy production.

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

As it is assumed that the products are incinerated the module include the benefits of the energy recovery.

LCA results

Placa 212x110x74

Core environmental impacts per Placa 212x110x74														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,33E+02	8,93E+00	2,72E+01	5,65E+00	3,90E+01	0,00E+00	4,75E-01	0,00E+00	1,24E-03	5,01E-01	9,88E+01	0,00E+00	-3,95E+00
GWP-fossil	kg CO2 eq.	1,77E+01	8,91E+00	3,67E+00	5,64E+00	1,67E+00	0,00E+00	4,75E-01	0,00E+00	1,16E-03	5,01E-01	9,03E+00	0,00E+00	-3,90E+00
GWP-biogenic	kg CO2 eq.	-1,51E+02	8,43E-03	2,35E+01	3,91E-03	3,73E+01	0,00E+00	1,17E-04	0,00E+00	7,27E-05	3,47E-04	8,98E+01	0,00E+00	-4,77E-02
GWP-luluc	kg CO2 eq.	4,46E-02	3,63E-03	7,23E-04	1,87E-03	3,83E-05	0,00E+00	2,79E-04	0,00E+00	4,93E-06	1,66E-04	9,47E-04	0,00E+00	-3,39E-03
ODP	kg CFC 11 eq.	4,12E-07	1,75E-07	5,00E-08	1,12E-07	1,78E-09	0,00E+00	8,62E-07	0,00E+00	2,49E-11	9,95E-09	7,41E-08	0,00E+00	-1,49E-07
AP	mol H+ eq.	1,25E-01	2,30E-02	1,24E-02	1,18E-02	1,18E-03	0,00E+00	1,77E-03	0,00E+00	6,98E-06	1,04E-03	1,66E-02	0,00E+00	-6,88E-03
EP-freshwater	kg P eq.	6,98E-03	7,10E-04	1,10E-03	3,82E-04	2,41E-05	0,00E+00	9,69E-05	0,00E+00	8,54E-07	3,39E-05	1,48E-03	0,00E+00	-6,00E-04
EP-marine	kg N eq.	1,91E-02	6,55E-03	3,15E-03	2,82E-03	6,02E-04	0,00E+00	3,39E-04	0,00E+00	1,26E-06	2,51E-04	6,66E-03	0,00E+00	-1,70E-03
EP-terrestrial	mol N eq.	1,76E-01	7,09E-02	3,13E-02	3,05E-02	5,54E-03	0,00E+00	4,19E-03	0,00E+00	1,51E-05	2,70E-03	6,45E-02	0,00E+00	-1,92E-02
POCP	kg NMVOC eq.	7,57E-02	3,62E-02	9,59E-03	1,95E-02	1,41E-03	0,00E+00	1,74E-03	0,00E+00	3,78E-06	1,73E-03	2,03E-02	0,00E+00	-8,42E-03
ADPm	kg Sb eq.	1,33E-04	3,01E-05	3,17E-05	1,88E-05	3,78E-07	0,00E+00	2,99E-06	0,00E+00	3,66E-08	1,67E-06	1,39E-05	0,00E+00	-2,48E-05
ADPf	MJ	3,04E+02	1,26E+02	3,79E+01	7,94E+01	1,05E+00	0,00E+00	6,13E+00	0,00E+00	1,87E-02	7,04E+00	4,46E+01	0,00E+00	-6,22E+01
WDP(1)	m3 world eq. depr	1,07E+01	6,90E-01	1,02E+00	3,88E-01	2,81E-01	0,00E+00	1,13E-01	0,00E+00	2,10E-03	3,44E-02	2,27E+00	0,00E+00	-1,45E+00
Caption	GWP-total = Global 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 = Acidfcation; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 212x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,05E-06	6,32E-07	8,75E-08	4,16E-07	1,01E-08	0,00E+00	2,09E-08	0,00E+00	4,58E-11	3,69E-08	1,87E-07	0,00E+00	-4,32E-08
IRP (2)	[kBq U235 eq.]	2,25E+00	2,25E-01	2,70E-01	1,03E-01	2,12E-03	0,00E+00	2,37E-02	0,00E+00	4,15E-04	9,14E-03	1,12E-01	0,00E+00	-2,84E-01
ETP-fw (1)	[CTUe]	3,16E+02	3,59E+01	1,45E+01	2,16E+01	5,69E+00	0,00E+00	2,39E+00	0,00E+00	7,92E-03	1,92E+00	7,05E+01	0,00E+00	-7,75E+00
HTP-c (1)	[CTUh]	2,92E-07	6,53E-08	1,82E-08	4,01E-08	1,59E-09	0,00E+00	1,95E-09	0,00E+00	5,41E-12	3,55E-09	3,43E-08	0,00E+00	-8,46E-09
HTP-nc (1)	[CTUh]	2,20E-07	7,89E-08	7,32E-08	5,14E-08	1,38E-08	0,00E+00	4,09E-09	0,00E+00	3,89E-11	4,56E-09	1,43E-07	0,00E+00	-2,89E-08
SQP (1)	-	7,91E+02	7,87E+01	9,83E+00	4,80E+01	3,71E-01	0,00E+00	1,69E+00	0,00E+00	3,26E-02	4,26E+00	6,63E+00	0,00E+00	-2,16E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 212x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,59E+02	2,75E+00	3,28E+02	1,36E+00	5,47E+01	0,00E+00	4,22E-01	0,00E+00	2,88E-02	1,21E-01	1,05E+03	0,00E+00	-1,87E+01
PERM	[MJ]	1,38E+03	0,00E+00	-2,76E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,05E+03	0,00E+00	0,00E+00
PERT	[MJ]	1,54E+03	2,75E+00	5,18E+01	1,36E+00	2,88E-02	0,00E+00	4,22E-01	0,00E+00	2,88E-02	1,21E-01	0,00E+00	0,00E+00	-1,87E+01
PENRE	[MJ]	2,87E+02	1,14E+02	2,97E+01	7,20E+01	2,15E+01	0,00E+00	8,23E+00	0,00E+00	1,83E-02	6,39E+00	4,95E+01	0,00E+00	-5,87E+01
PENRM	[MJ]	7,10E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,95E+01	0,00E+00	0,00E+00
PENRT	[MJ]	3,58E+02	1,14E+02	2,97E+01	7,20E+01	1,83E-02	0,00E+00	8,23E+00	0,00E+00	1,83E-02	6,39E+00	0,00E+00	0,00E+00	-5,87E+01
SM	[kg]	9,55E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,58E-01	1,93E-02	5,26E-02	1,07E-02	3,86E-03	0,00E+00	2,07E-02	0,00E+00	6,84E-05	9,46E-04	2,08E-02	0,00E+00	-4,66E-02
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 renewa 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													

Waste categories and output flows per Placa 212x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1,78E+00	1,38E-01	1,85E-01	7,88E-02	6,41E-02	0,00E+00	1,52E-02	0,00E+00	3,57E-05	6,99E-03	6,92E-01	0,00E+00	-4,03E-02
NHWD	[kg]	6,03E+01	1,49E+00	1,66E+01	8,73E-01	4,88E+00	0,00E+00	1,16E+00	0,00E+00	3,82E-04	7,74E-02	6,32E+01	0,00E+00	-4,02E-01
RWD	[kg]	5,77E-04	5,64E-05	6,64E-05	2,56E-05	5,26E-07	0,00E+00	5,89E-06	0,00E+00	9,45E-08	2,27E-06	2,95E-05	0,00E+00	-6,49E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	2,78E+01	0,00E+00	1,01E+01	0,00E+00	2,13E-01	0,00E+00	0,00E+00	0,00E+00	1,08E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	6,05E+01	0,00E+00	2,01E+01	0,00E+00	4,16E-01	0,00E+00	0,00E+00	0,00E+00	2,57E+02	0,00E+00	0,00E+00
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 en													

Placa 212x110x90

Core environmental impacts per Placa 212x110x90														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,41E+02	1,01E+01	2,88E+01	6,00E+00	3,90E+01	0,00E+00	4,75E-01	0,00E+00	1,24E-03	7,28E-01	1,07E+02	0,00E+00	-4,08E+00
GWP-fossil	kg CO2 eq.	1,85E+01	1,01E+01	3,88E+00	5,99E+00	1,67E+00	0,00E+00	4,75E-01	0,00E+00	1,16E-03	7,27E-01	9,81E+00	0,00E+00	-4,03E+00
GWP-biogenic	kg CO2 eq.	-1,60E+02	9,28E-03	2,49E+01	4,15E-03	3,73E+01	0,00E+00	1,17E-04	0,00E+00	7,27E-05	5,04E-04	9,76E+01	0,00E+00	-4,81E-02
GWP-luluc	kg CO2 eq.	4,53E-02	4,04E-03	7,74E-04	1,99E-03	3,83E-05	0,00E+00	2,79E-04	0,00E+00	4,93E-06	2,41E-04	1,03E-03	0,00E+00	-3,43E-03
ODP	kg CFC 11 eq.	4,32E-07	1,99E-07	5,30E-08	1,19E-07	1,78E-09	0,00E+00	8,62E-07	0,00E+00	2,49E-11	1,45E-08	8,06E-08	0,00E+00	-1,54E-07
AP	mol H+ eq.	1,33E-01	2,55E-02	1,31E-02	1,25E-02	1,18E-03	0,00E+00	1,77E-03	0,00E+00	6,98E-06	1,51E-03	1,81E-02	0,00E+00	-7,02E-03
EP-freshwater	kg P eq.	7,27E-03	7,94E-04	1,17E-03	4,06E-04	2,41E-05	0,00E+00	9,69E-05	0,00E+00	8,54E-07	4,92E-05	1,61E-03	0,00E+00	-6,07E-04
EP-marine	kg N eq.	1,98E-02	7,16E-03	3,33E-03	3,00E-03	6,02E-04	0,00E+00	3,39E-04	0,00E+00	1,26E-06	3,64E-04	7,24E-03	0,00E+00	-1,74E-03
EP-terrestrial	mol N eq.	1,82E-01	7,74E-02	3,32E-02	3,24E-02	5,54E-03	0,00E+00	4,19E-03	0,00E+00	1,51E-05	3,92E-03	7,01E-02	0,00E+00	-1,96E-02
POCP	kg NMVOC eq.	7,90E-02	4,04E-02	1,02E-02	2,07E-02	1,41E-03	0,00E+00	1,74E-03	0,00E+00	3,78E-06	2,52E-03	2,21E-02	0,00E+00	-8,68E-03
ADPm	kg Sb eq.	1,40E-04	3,43E-05	3,39E-05	2,00E-05	3,78E-07	0,00E+00	2,99E-06	0,00E+00	3,66E-08	2,42E-06	1,50E-05	0,00E+00	-2,50E-05
ADPf	MJ	3,19E+02	1,43E+02	4,00E+01	8,43E+01	1,05E+00	0,00E+00	6,13E+00	0,00E+00	1,87E-02	1,02E+01	4,85E+01	0,00E+00	-6,42E+01
WDP(1)	m3 world eq. depr	1,12E+01	7,75E-01	1,08E+00	4,12E-01	2,81E-01	0,00E+00	1,13E-01	0,00E+00	2,10E-03	5,00E-02	2,47E+00	0,00E+00	-1,46E+00
Caption	GWP-total = Global 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 = Acidfcation; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 212x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,10E-06	7,19E-07	9,32E-08	4,41E-07	1,01E-08	0,00E+00	2,09E-08	0,00E+00	4,58E-11	5,35E-08	2,03E-07	0,00E+00	-4,40E-08
IRP (2)	[kBq U235 eq.]	2,37E+00	2,48E-01	2,84E-01	1,09E-01	2,12E-03	0,00E+00	2,37E-02	0,00E+00	4,15E-04	1,33E-02	1,21E-01	0,00E+00	-2,87E-01
ETP-fw (1)	[CTUe]	3,33E+02	4,06E+01	1,54E+01	2,29E+01	5,69E+00	0,00E+00	2,39E+00	0,00E+00	7,92E-03	2,78E+00	7,65E+01	0,00E+00	-7,89E+00
HTP-c (1)	[CTUh]	2,98E-07	7,40E-08	1,95E-08	4,25E-08	1,59E-09	0,00E+00	1,95E-09	0,00E+00	5,41E-12	5,16E-09	3,73E-08	0,00E+00	-8,68E-09
HTP-nc (1)	[CTUh]	2,29E-07	8,98E-08	7,77E-08	5,46E-08	1,38E-08	0,00E+00	4,09E-09	0,00E+00	3,89E-11	6,62E-09	1,55E-07	0,00E+00	-2,92E-08
SQP (1)	-	7,95E+02	8,86E+01	1,05E+01	5,09E+01	3,71E-01	0,00E+00	1,69E+00	0,00E+00	3,26E-02	6,18E+00	7,19E+00	0,00E+00	-2,19E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 212x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,61E+02	3,05E+00	3,48E+02	1,45E+00	5,47E+01	0,00E+00	4,22E-01	0,00E+00	2,88E-02	1,76E-01	1,14E+03	0,00E+00	-1,89E+01
PERM	[MJ]	1,49E+03	0,00E+00	-2,92E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,14E+03	0,00E+00	0,00E+00
PERT	[MJ]	1,65E+03	3,05E+00	5,61E+01	1,45E+00	2,88E-02	0,00E+00	4,22E-01	0,00E+00	2,88E-02	1,76E-01	0,00E+00	0,00E+00	-1,89E+01
PENRE	[MJ]	3,00E+02	1,30E+02	3,13E+01	7,65E+01	2,15E+01	0,00E+00	8,23E+00	0,00E+00	1,83E-02	9,28E+00	5,33E+01	0,00E+00	-6,06E+01
PENRM	[MJ]	7,47E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,33E+01	0,00E+00	0,00E+00
PENRT	[MJ]	3,75E+02	1,30E+02	3,13E+01	7,65E+01	1,83E-02	0,00E+00	8,23E+00	0,00E+00	1,83E-02	9,28E+00	0,00E+00	0,00E+00	-6,06E+01
SM	[kg]	1,02E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,71E-01	2,16E-02	5,55E-02	1,13E-02	3,86E-03	0,00E+00	2,07E-02	0,00E+00	6,84E-05	1,37E-03	2,26E-02	0,00E+00	-4,71E-02
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 renewa 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													

Waste categories and output flows per Placa 212x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1,86E+00	1,55E-01	1,97E-01	8,36E-02	6,41E-02	0,00E+00	1,52E-02	0,00E+00	3,57E-05	1,01E-02	7,51E-01	0,00E+00	-4,12E-02
NHWD	[kg]	6,32E+01	1,68E+00	1,76E+01	9,27E-01	4,88E+00	0,00E+00	1,16E+00	0,00E+00	3,82E-04	1,12E-01	6,86E+01	0,00E+00	-4,11E-01
RWD	[kg]	6,07E-04	6,22E-05	6,99E-05	2,72E-05	5,26E-07	0,00E+00	5,89E-06	0,00E+00	9,45E-08	3,30E-06	3,21E-05	0,00E+00	-6,57E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	2,94E+01	0,00E+00	1,01E+01	0,00E+00	2,13E-01	0,00E+00	0,00E+00	0,00E+00	1,18E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	6,41E+01	0,00E+00	2,01E+01	0,00E+00	4,16E-01	0,00E+00	0,00E+00	0,00E+00	2,79E+02	0,00E+00	0,00E+00
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 en													

Placa 282x110x74

Core environmental impacts per Placa 282x110x74														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,56E+02	1,19E+01	3,40E+01	6,53E+00	3,90E+01	0,00E+00	6,34E-01	0,00E+00	1,24E-03	1,52E+00	1,20E+02	0,00E+00	-4,76E+00
GWP-fossil	kg CO2 eq.	2,03E+01	1,19E+01	4,57E+00	6,53E+00	1,67E+00	0,00E+00	6,33E-01	0,00E+00	1,16E-03	1,51E+00	1,09E+01	0,00E+00	-4,70E+00
GWP-biogenic	kg CO2 eq.	-1,76E+02	1,04E-02	2,94E+01	4,52E-03	3,73E+01	0,00E+00	1,56E-04	0,00E+00	7,27E-05	1,05E-03	1,10E+02	0,00E+00	-5,70E-02
GWP-luluc	kg CO2 eq.	4,96E-02	4,64E-03	8,93E-04	2,17E-03	3,83E-05	0,00E+00	3,72E-04	0,00E+00	4,93E-06	5,03E-04	1,15E-03	0,00E+00	-4,05E-03
ODP	kg CFC 11 eq.	4,70E-07	2,34E-07	6,20E-08	1,30E-07	1,78E-09	0,00E+00	1,15E-06	0,00E+00	2,49E-11	3,01E-08	8,99E-08	0,00E+00	-1,80E-07
AP	mol H+ eq.	1,47E-01	2,93E-02	1,54E-02	1,36E-02	1,18E-03	0,00E+00	2,36E-03	0,00E+00	6,98E-06	3,15E-03	2,02E-02	0,00E+00	-8,25E-03
EP-freshwater	kg P eq.	7,97E-03	9,16E-04	1,37E-03	4,42E-04	2,41E-05	0,00E+00	1,29E-04	0,00E+00	8,54E-07	1,03E-04	1,81E-03	0,00E+00	-7,18E-04
EP-marine	kg N eq.	2,17E-02	8,09E-03	3,92E-03	3,27E-03	6,02E-04	0,00E+00	4,53E-04	0,00E+00	1,26E-06	7,58E-04	8,11E-03	0,00E+00	-2,04E-03
EP-terrestrial	mol N eq.	2,01E-01	8,75E-02	3,91E-02	3,52E-02	5,54E-03	0,00E+00	5,58E-03	0,00E+00	1,51E-05	8,18E-03	7,86E-02	0,00E+00	-2,30E-02
POCP	kg NMVOC eq.	8,74E-02	4,67E-02	1,19E-02	2,26E-02	1,41E-03	0,00E+00	2,32E-03	0,00E+00	3,78E-06	5,24E-03	2,47E-02	0,00E+00	-1,01E-02
ADPm	kg Sb eq.	1,54E-04	4,01E-05	3,92E-05	2,18E-05	3,78E-07	0,00E+00	3,99E-06	0,00E+00	3,66E-08	5,05E-06	1,69E-05	0,00E+00	-2,96E-05
ADPf	MJ	3,48E+02	1,67E+02	4,72E+01	9,18E+01	1,05E+00	0,00E+00	8,18E+00	0,00E+00	1,87E-02	2,13E+01	5,41E+01	0,00E+00	-7,49E+01
WDP(1)	m3 world eq. depr	1,22E+01	9,00E-01	1,26E+00	4,49E-01	2,81E-01	0,00E+00	1,51E-01	0,00E+00	2,10E-03	1,04E-01	2,77E+00	0,00E+00	-1,73E+00
Caption	GWP-total = Global 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 = Acidfcation; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 282x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,25E-06	8,52E-07	1,09E-07	4,81E-07	1,01E-08	0,00E+00	2,79E-08	0,00E+00	4,58E-11	1,12E-07	2,28E-07	0,00E+00	-5,17E-08
IRP (2)	[kBq U235 eq.]	2,62E+00	2,82E-01	3,35E-01	1,19E-01	2,12E-03	0,00E+00	3,16E-02	0,00E+00	4,15E-04	2,76E-02	1,36E-01	0,00E+00	-3,39E-01
ETP-fw (1)	[CTUe]	3,70E+02	4,73E+01	1,79E+01	2,50E+01	5,69E+00	0,00E+00	3,19E+00	0,00E+00	7,92E-03	5,80E+00	8,59E+01	0,00E+00	-9,29E+00
HTP-c (1)	[CTUh]	3,33E-07	8,61E-08	2,25E-08	4,63E-08	1,59E-09	0,00E+00	2,60E-09	0,00E+00	5,41E-12	1,07E-08	4,17E-08	0,00E+00	-1,02E-08
HTP-nc (1)	[CTUh]	2,51E-07	1,06E-07	9,11E-08	5,95E-08	1,38E-08	0,00E+00	5,46E-09	0,00E+00	3,89E-11	1,38E-08	1,74E-07	0,00E+00	-3,45E-08
SQP (1)	-	1,08E+03	1,06E+02	1,21E+01	5,55E+01	3,71E-01	0,00E+00	2,26E+00	0,00E+00	3,26E-02	1,29E+01	8,06E+00	0,00E+00	-2,59E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 282x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,14E+02	3,50E+00	4,09E+02	1,58E+00	5,47E+01	0,00E+00	5,62E-01	0,00E+00	2,88E-02	3,66E-01	1,28E+03	0,00E+00	-2,23E+01
PERM	[MJ]	1,68E+03	0,00E+00	-3,45E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,28E+03	0,00E+00	0,00E+00
PERT	[MJ]	1,89E+03	3,50E+00	6,33E+01	1,58E+00	2,88E-02	0,00E+00	5,62E-01	0,00E+00	2,88E-02	3,66E-01	0,00E+00	0,00E+00	-2,23E+01
PENRE	[MJ]	3,28E+02	1,52E+02	3,70E+01	8,33E+01	2,15E+01	0,00E+00	1,10E+01	0,00E+00	1,83E-02	1,93E+01	5,93E+01	0,00E+00	-7,06E+01
PENRM	[MJ]	8,08E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,93E+01	0,00E+00	0,00E+00
PENRT	[MJ]	4,09E+02	1,52E+02	3,70E+01	8,33E+01	1,83E-02	0,00E+00	1,10E+01	0,00E+00	1,83E-02	1,93E+01	0,00E+00	0,00E+00	-7,06E+01
SM	[kg]	1,11E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,96E-01	2,51E-02	6,55E-02	1,23E-02	3,86E-03	0,00E+00	2,76E-02	0,00E+00	6,84E-05	2,86E-03	2,53E-02	0,00E+00	-5,57E-02
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 renewa 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													

Waste categories and output flows per Placa 282x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2,07E+00	1,80E-01	2,29E-01	9,11E-02	6,41E-02	0,00E+00	2,03E-02	0,00E+00	3,57E-05	2,11E-02	8,43E-01	0,00E+00	-4,84E-02
NHWD	[kg]	6,96E+01	1,95E+00	2,08E+01	1,01E+00	4,88E+00	0,00E+00	1,55E+00	0,00E+00	3,82E-04	2,34E-01	7,71E+01	0,00E+00	-4,83E-01
RWD	[kg]	6,71E-04	7,06E-05	8,26E-05	2,96E-05	5,26E-07	0,00E+00	7,85E-06	0,00E+00	9,45E-08	6,86E-06	3,60E-05	0,00E+00	-7,77E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	3,48E+01	0,00E+00	1,01E+01	0,00E+00	2,84E-01	0,00E+00	0,00E+00	0,00E+00	1,32E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	7,57E+01	0,00E+00	2,01E+01	0,00E+00	5,54E-01	0,00E+00	0,00E+00	0,00E+00	3,13E+02	0,00E+00	0,00E+00
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 en													

Placa 282x110x90

Core environmental impacts per Placa 282x110x90														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,64E+02	1,24E+01	3,56E+01	6,88E+00	3,90E+01	0,00E+00	6,34E-01	0,00E+00	1,24E-03	1,53E+00	1,29E+02	0,00E+00	-4,89E+00
GWP-fossil	kg CO2 eq.	2,11E+01	1,24E+01	4,78E+00	6,88E+00	1,67E+00	0,00E+00	6,33E-01	0,00E+00	1,16E-03	1,53E+00	1,17E+01	0,00E+00	-4,83E+00
GWP-biogenic	kg CO2 eq.	-1,86E+02	1,08E-02	3,08E+01	4,76E-03	3,73E+01	0,00E+00	1,56E-04	0,00E+00	7,27E-05	1,06E-03	1,17E+02	0,00E+00	-5,75E-02
GWP-luluc	kg CO2 eq.	5,03E-02	4,82E-03	9,43E-04	2,28E-03	3,83E-05	0,00E+00	3,72E-04	0,00E+00	4,93E-06	5,07E-04	1,24E-03	0,00E+00	-4,09E-03
ODP	kg CFC 11 eq.	4,89E-07	2,44E-07	6,50E-08	1,37E-07	1,78E-09	0,00E+00	1,15E-06	0,00E+00	2,49E-11	3,04E-08	9,64E-08	0,00E+00	-1,85E-07
AP	mol H+ eq.	1,55E-01	3,04E-02	1,61E-02	1,43E-02	1,18E-03	0,00E+00	2,36E-03	0,00E+00	6,98E-06	3,18E-03	2,17E-02	0,00E+00	-8,39E-03
EP-freshwater	kg P eq.	8,26E-03	9,53E-04	1,43E-03	4,66E-04	2,41E-05	0,00E+00	1,29E-04	0,00E+00	8,54E-07	1,03E-04	1,93E-03	0,00E+00	-7,25E-04
EP-marine	kg N eq.	2,24E-02	8,34E-03	4,10E-03	3,44E-03	6,02E-04	0,00E+00	4,53E-04	0,00E+00	1,26E-06	7,64E-04	8,69E-03	0,00E+00	-2,08E-03
EP-terrestrial	mol N eq.	2,07E-01	9,03E-02	4,09E-02	3,71E-02	5,54E-03	0,00E+00	5,58E-03	0,00E+00	1,51E-05	8,24E-03	8,42E-02	0,00E+00	-2,35E-02
POCP	kg NMVOC eq.	9,07E-02	4,85E-02	1,25E-02	2,38E-02	1,41E-03	0,00E+00	2,32E-03	0,00E+00	3,78E-06	5,29E-03	2,65E-02	0,00E+00	-1,04E-02
ADPm	kg Sb eq.	1,62E-04	4,20E-05	4,13E-05	2,29E-05	3,78E-07	0,00E+00	3,99E-06	0,00E+00	3,66E-08	5,09E-06	1,81E-05	0,00E+00	-2,99E-05
ADPf	MJ	3,62E+02	1,75E+02	4,92E+01	9,67E+01	1,05E+00	0,00E+00	8,18E+00	0,00E+00	1,87E-02	2,15E+01	5,80E+01	0,00E+00	-7,70E+01
WDP(1)	m3 world eq. depr	1,27E+01	9,37E-01	1,33E+00	4,73E-01	2,81E-01	0,00E+00	1,51E-01	0,00E+00	2,10E-03	1,05E-01	2,97E+00	0,00E+00	-1,75E+00
Caption	GWP-total = Global 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 = Acidification; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 282x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,29E-06	8,87E-07	1,14E-07	5,06E-07	1,01E-08	0,00E+00	2,79E-08	0,00E+00	4,58E-11	1,12E-07	2,44E-07	0,00E+00	-5,26E-08
IRP (2)	[kBq U235 eq.]	2,74E+00	2,93E-01	3,50E-01	1,25E-01	2,12E-03	0,00E+00	3,16E-02	0,00E+00	4,15E-04	2,79E-02	1,46E-01	0,00E+00	-3,42E-01
ETP-fw (1)	[CTUe]	3,87E+02	4,94E+01	1,89E+01	2,63E+01	5,69E+00	0,00E+00	3,19E+00	0,00E+00	7,92E-03	5,85E+00	9,19E+01	0,00E+00	-9,44E+00
HTP-c (1)	[CTUh]	3,38E-07	8,98E-08	2,38E-08	4,88E-08	1,59E-09	0,00E+00	2,60E-09	0,00E+00	5,41E-12	1,08E-08	4,47E-08	0,00E+00	-1,04E-08
HTP-nc (1)	[CTUh]	2,60E-07	1,10E-07	9,56E-08	6,26E-08	1,38E-08	0,00E+00	5,46E-09	0,00E+00	3,89E-11	1,39E-08	1,86E-07	0,00E+00	-3,49E-08
SQP (1)	-	1,08E+03	1,10E+02	1,28E+01	5,84E+01	3,71E-01	0,00E+00	2,26E+00	0,00E+00	3,26E-02	1,30E+01	8,62E+00	0,00E+00	-2,61E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 282x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,16E+02	3,64E+00	4,29E+02	1,66E+00	5,47E+01	0,00E+00	5,62E-01	0,00E+00	2,88E-02	3,69E-01	1,37E+03	0,00E+00	-2,25E+01
PERM	[MJ]	1,79E+03	0,00E+00	-3,62E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,37E+03	0,00E+00	0,00E+00
PERT	[MJ]	2,01E+03	3,64E+00	6,77E+01	1,66E+00	2,88E-02	0,00E+00	5,62E-01	0,00E+00	2,88E-02	3,69E-01	0,00E+00	0,00E+00	-2,25E+01
PENRE	[MJ]	3,42E+02	1,59E+02	3,86E+01	8,77E+01	2,15E+01	0,00E+00	1,10E+01	0,00E+00	1,83E-02	1,95E+01	6,31E+01	0,00E+00	-7,25E+01
PENRM	[MJ]	8,46E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-6,31E+01	0,00E+00	0,00E+00
PENRT	[MJ]	4,26E+02	1,59E+02	3,86E+01	8,77E+01	1,83E-02	0,00E+00	1,10E+01	0,00E+00	1,83E-02	1,95E+01	0,00E+00	0,00E+00	-7,25E+01
SM	[kg]	1,18E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	3,09E-01	2,61E-02	6,83E-02	1,30E-02	3,86E-03	0,00E+00	2,76E-02	0,00E+00	6,84E-05	2,89E-03	2,70E-02	0,00E+00	-5,62E-02
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 renewa 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													

Waste categories and output flows per Placa 282x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2,14E+00	1,87E-01	2,42E-01	9,60E-02	6,41E-02	0,00E+00	2,03E-02	0,00E+00	3,57E-05	2,13E-02	9,03E-01	0,00E+00	-4,93E-02
NHWD	[kg]	7,25E+01	2,04E+00	2,18E+01	1,06E+00	4,88E+00	0,00E+00	1,55E+00	0,00E+00	3,82E-04	2,36E-01	8,25E+01	0,00E+00	-4,91E-01
RWD	[kg]	7,01E-04	7,33E-05	8,61E-05	3,12E-05	5,26E-07	0,00E+00	7,85E-06	0,00E+00	9,45E-08	6,92E-06	3,86E-05	0,00E+00	-7,84E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	3,64E+01	0,00E+00	1,01E+01	0,00E+00	2,84E-01	0,00E+00	0,00E+00	0,00E+00	1,42E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	7,93E+01	0,00E+00	2,01E+01	0,00E+00	5,54E-01	0,00E+00	0,00E+00	0,00E+00	3,35E+02	0,00E+00	0,00E+00
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 en													

Placa 353x110x74

Core environmental impacts per Placa 353x110x74														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-2,13E+02	1,65E+01	4,78E+01	8,89E+00	3,90E+01	0,00E+00	7,92E-01	0,00E+00	1,24E-03	2,03E+00	1,78E+02	0,00E+00	-6,06E+00
GWP-fossil	kg CO2 eq.	2,75E+01	1,65E+01	6,60E+00	8,88E+00	1,67E+00	0,00E+00	7,92E-01	0,00E+00	1,16E-03	2,03E+00	1,62E+01	0,00E+00	-5,98E+00
GWP-biogenic	kg CO2 eq.	-2,41E+02	1,37E-02	4,12E+01	6,15E-03	3,73E+01	0,00E+00	1,96E-04	0,00E+00	7,27E-05	1,40E-03	1,62E+02	0,00E+00	-6,73E-02
GWP-luluc	kg CO2 eq.	5,89E-02	6,25E-03	1,31E-03	2,95E-03	3,83E-05	0,00E+00	4,65E-04	0,00E+00	4,93E-06	6,73E-04	1,71E-03	0,00E+00	-4,81E-03
ODP	kg CFC 11 eq.	6,31E-07	3,26E-07	9,04E-08	1,77E-07	1,78E-09	0,00E+00	1,44E-06	0,00E+00	2,49E-11	4,03E-08	1,34E-07	0,00E+00	-2,30E-07
AP	mol H+ eq.	2,07E-01	3,92E-02	2,23E-02	1,85E-02	1,18E-03	0,00E+00	2,96E-03	0,00E+00	6,98E-06	4,22E-03	3,00E-02	0,00E+00	-1,01E-02
EP-freshwater	kg P eq.	1,07E-02	1,25E-03	2,01E-03	6,02E-04	2,41E-05	0,00E+00	1,61E-04	0,00E+00	8,54E-07	1,37E-04	2,68E-03	0,00E+00	-8,54E-04
EP-marine	kg N eq.	2,82E-02	1,05E-02	5,64E-03	4,45E-03	6,02E-04	0,00E+00	5,66E-04	0,00E+00	1,26E-06	1,01E-03	1,20E-02	0,00E+00	-2,53E-03
EP-terrestrial	mol N eq.	2,63E-01	1,13E-01	5,62E-02	4,80E-02	5,54E-03	0,00E+00	6,98E-03	0,00E+00	1,51E-05	1,09E-02	1,17E-01	0,00E+00	-2,85E-02
POCP	kg NMVOC eq.	1,17E-01	6,29E-02	1,72E-02	3,08E-02	1,41E-03	0,00E+00	2,90E-03	0,00E+00	3,78E-06	7,02E-03	3,67E-02	0,00E+00	-1,28E-02
ADPm	kg Sb eq.	2,15E-04	5,63E-05	5,77E-05	2,96E-05	3,78E-07	0,00E+00	4,99E-06	0,00E+00	3,66E-08	6,76E-06	2,51E-05	0,00E+00	-3,51E-05
ADPf	MJ	4,70E+02	2,33E+02	6,87E+01	1,25E+02	1,05E+00	0,00E+00	1,02E+01	0,00E+00	1,87E-02	2,85E+01	8,04E+01	0,00E+00	-9,54E+01
WDP(1)	m3 world eq. depr	1,65E+01	1,23E+00	1,81E+00	6,11E-01	2,81E-01	0,00E+00	1,89E-01	0,00E+00	2,10E-03	1,39E-01	4,11E+00	0,00E+00	-2,05E+00
Caption	GWP-total = Global 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 = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 353x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,70E-06	1,18E-06	1,57E-07	6,54E-07	1,01E-08	0,00E+00	3,49E-08	0,00E+00	4,58E-11	1,49E-07	3,38E-07	0,00E+00	-6,29E-08
IRP (2)	[kBq U235 eq.]	3,62E+00	3,76E-01	4,92E-01	1,62E-01	2,12E-03	0,00E+00	3,95E-02	0,00E+00	4,15E-04	3,70E-02	2,02E-01	0,00E+00	-4,02E-01
ETP-fw (1)	[CTUe]	5,22E+02	6,56E+01	2,60E+01	3,40E+01	5,69E+00	0,00E+00	3,99E+00	0,00E+00	7,92E-03	7,76E+00	1,27E+02	0,00E+00	-1,13E+01
HTP-c (1)	[CTUh]	4,67E-07	1,19E-07	3,26E-08	6,31E-08	1,59E-09	0,00E+00	3,25E-09	0,00E+00	5,41E-12	1,44E-08	6,19E-08	0,00E+00	-1,27E-08
HTP-nc (1)	[CTUh]	3,38E-07	1,48E-07	1,31E-07	8,09E-08	1,38E-08	0,00E+00	6,82E-09	0,00E+00	3,89E-11	1,85E-08	2,58E-07	0,00E+00	-4,12E-08
SQP (1)	-	1,33E+03	1,45E+02	1,78E+01	7,55E+01	3,71E-01	0,00E+00	2,82E+00	0,00E+00	3,26E-02	1,72E+01	1,20E+01	0,00E+00	-3,06E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 353x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,66E+02	4,72E+00	5,77E+02	2,15E+00	5,47E+01	0,00E+00	7,03E-01	0,00E+00	2,88E-02	4,90E-01	1,90E+03	0,00E+00	-2,63E+01
PERM	[MJ]	2,44E+03	0,00E+00	-4,84E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,90E+03	0,00E+00	0,00E+00
PERT	[MJ]	2,70E+03	4,72E+00	9,38E+01	2,15E+00	2,88E-02	0,00E+00	7,03E-01	0,00E+00	2,88E-02	4,90E-01	0,00E+00	0,00E+00	-2,63E+01
PENRE	[MJ]	4,43E+02	2,11E+02	5,43E+01	1,13E+02	2,15E+01	0,00E+00	1,37E+01	0,00E+00	1,83E-02	2,59E+01	8,86E+01	0,00E+00	-8,99E+01
PENRM	[MJ]	1,10E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-8,86E+01	0,00E+00	0,00E+00
PENRT	[MJ]	5,53E+02	2,11E+02	5,43E+01	1,13E+02	1,83E-02	0,00E+00	1,37E+01	0,00E+00	1,83E-02	2,59E+01	0,00E+00	0,00E+00	-8,99E+01
SM	[kg]	1,54E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,00E-01	3,43E-02	9,59E-02	1,68E-02	3,86E-03	0,00E+00	3,45E-02	0,00E+00	6,84E-05	3,83E-03	3,75E-02	0,00E+00	-6,60E-02
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 renewa 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													

Waste categories and output flows per Placa 353x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	2,91E+00	2,46E-01	3,29E-01	1,24E-01	6,41E-02	0,00E+00	2,54E-02	0,00E+00	3,57E-05	2,83E-02	1,25E+00	0,00E+00	-5,95E-02
NHWD	[kg]	9,73E+01	2,71E+00	2,91E+01	1,37E+00	4,88E+00	0,00E+00	1,93E+00	0,00E+00	3,82E-04	3,14E-01	1,14E+02	0,00E+00	-5,91E-01
RWD	[kg]	9,28E-04	9,40E-05	1,21E-04	4,03E-05	5,26E-07	0,00E+00	9,81E-06	0,00E+00	9,45E-08	9,19E-06	5,34E-05	0,00E+00	-9,21E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	4,87E+01	0,00E+00	1,01E+01	0,00E+00	3,55E-01	0,00E+00	0,00E+00	0,00E+00	1,96E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,06E+02	0,00E+00	2,01E+01	0,00E+00	6,93E-01	0,00E+00	0,00E+00	0,00E+00	4,64E+02	0,00E+00	0,00E+00
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 en													

Placa 353x110x90

Core environmental impacts per Placa 353x110x90														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-2,31E+02	1,78E+01	5,11E+01	9,62E+00	3,90E+01	0,00E+00	7,92E-01	0,00E+00	1,24E-03	2,12E+00	1,97E+02	0,00E+00	-6,32E+00
GWP-fossil	kg CO2 eq.	2,91E+01	1,78E+01	7,06E+00	9,61E+00	1,67E+00	0,00E+00	7,92E-01	0,00E+00	1,16E-03	2,12E+00	1,78E+01	0,00E+00	-6,25E+00
GWP-biogenic	kg CO2 eq.	-2,60E+02	1,46E-02	4,41E+01	6,66E-03	3,73E+01	0,00E+00	1,96E-04	0,00E+00	7,27E-05	1,47E-03	1,79E+02	0,00E+00	-6,83E-02
GWP-luluc	kg CO2 eq.	6,04E-02	6,70E-03	1,42E-03	3,19E-03	3,83E-05	0,00E+00	4,65E-04	0,00E+00	4,93E-06	7,03E-04	1,88E-03	0,00E+00	-4,89E-03
ODP	kg CFC 11 eq.	6,71E-07	3,51E-07	9,71E-08	1,91E-07	1,78E-09	0,00E+00	1,44E-06	0,00E+00	2,49E-11	4,21E-08	1,47E-07	0,00E+00	-2,41E-07
AP	mol H+ eq.	2,23E-01	4,19E-02	2,39E-02	2,00E-02	1,18E-03	0,00E+00	2,96E-03	0,00E+00	6,98E-06	4,41E-03	3,31E-02	0,00E+00	-1,03E-02
EP-freshwater	kg P eq.	1,13E-02	1,34E-03	2,15E-03	6,51E-04	2,41E-05	0,00E+00	1,61E-04	0,00E+00	8,54E-07	1,44E-04	2,94E-03	0,00E+00	-8,68E-04
EP-marine	kg N eq.	2,96E-02	1,11E-02	6,04E-03	4,81E-03	6,02E-04	0,00E+00	5,66E-04	0,00E+00	1,26E-06	1,06E-03	1,32E-02	0,00E+00	-2,62E-03
EP-terrestrial	mol N eq.	2,77E-01	1,20E-01	6,02E-02	5,19E-02	5,54E-03	0,00E+00	6,98E-03	0,00E+00	1,51E-05	1,14E-02	1,28E-01	0,00E+00	-2,94E-02
POCP	kg NMVOC eq.	1,24E-01	6,73E-02	1,84E-02	3,33E-02	1,41E-03	0,00E+00	2,90E-03	0,00E+00	3,78E-06	7,33E-03	4,04E-02	0,00E+00	-1,33E-02
ADPm	kg Sb eq.	2,31E-04	6,09E-05	6,24E-05	3,20E-05	3,78E-07	0,00E+00	4,99E-06	0,00E+00	3,66E-08	7,06E-06	2,75E-05	0,00E+00	-3,56E-05
ADPf	MJ	4,99E+02	2,51E+02	7,34E+01	1,35E+02	1,05E+00	0,00E+00	1,02E+01	0,00E+00	1,87E-02	2,98E+01	8,86E+01	0,00E+00	-9,97E+01
WDP(1)	m3 world eq. depr	1,76E+01	1,32E+00	1,95E+00	6,61E-01	2,81E-01	0,00E+00	1,89E-01	0,00E+00	2,10E-03	1,46E-01	4,52E+00	0,00E+00	-2,09E+00
Caption	GWP-total = Global 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 = Acidfcation; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 353x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,79E-06	1,27E-06	1,69E-07	7,08E-07	1,01E-08	0,00E+00	3,49E-08	0,00E+00	4,58E-11	1,56E-07	3,72E-07	0,00E+00	-6,46E-08
IRP (2)	[kBq U235 eq.]	3,87E+00	4,02E-01	5,25E-01	1,75E-01	2,12E-03	0,00E+00	3,95E-02	0,00E+00	4,15E-04	3,87E-02	2,22E-01	0,00E+00	-4,09E-01
ETP-fw (1)	[CTUe]	5,58E+02	7,08E+01	2,81E+01	3,68E+01	5,69E+00	0,00E+00	3,99E+00	0,00E+00	7,92E-03	8,11E+00	1,40E+02	0,00E+00	-1,16E+01
HTP-c (1)	[CTUh]	4,78E-07	1,29E-07	3,53E-08	6,82E-08	1,59E-09	0,00E+00	3,25E-09	0,00E+00	5,41E-12	1,50E-08	6,82E-08	0,00E+00	-1,32E-08
HTP-nc (1)	[CTUh]	3,56E-07	1,59E-07	1,41E-07	8,76E-08	1,38E-08	0,00E+00	6,82E-09	0,00E+00	3,89E-11	1,93E-08	2,84E-07	0,00E+00	-4,20E-08
SQP (1)	-	1,33E+03	1,55E+02	1,93E+01	8,17E+01	3,71E-01	0,00E+00	2,82E+00	0,00E+00	3,26E-02	1,80E+01	1,31E+01	0,00E+00	-3,11E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 353x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	2,69E+02	5,06E+00	6,21E+02	2,32E+00	5,47E+01	0,00E+00	7,03E-01	0,00E+00	2,88E-02	5,12E-01	2,09E+03	0,00E+00	-2,67E+01
PERM	[MJ]	2,66E+03	0,00E+00	-5,18E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,09E+03	0,00E+00	0,00E+00
PERT	[MJ]	2,93E+03	5,06E+00	1,03E+02	2,32E+00	2,88E-02	0,00E+00	7,03E-01	0,00E+00	2,88E-02	5,12E-01	0,00E+00	0,00E+00	-2,67E+01
PENRE	[MJ]	4,71E+02	2,28E+02	5,80E+01	1,23E+02	2,15E+01	0,00E+00	1,37E+01	0,00E+00	1,83E-02	2,70E+01	9,64E+01	0,00E+00	-9,39E+01
PENRM	[MJ]	1,18E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-9,64E+01	0,00E+00	0,00E+00
PENRT	[MJ]	5,89E+02	2,28E+02	5,80E+01	1,23E+02	1,83E-02	0,00E+00	1,37E+01	0,00E+00	1,83E-02	2,70E+01	0,00E+00	0,00E+00	-9,39E+01
SM	[kg]	1,67E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,28E-01	3,68E-02	1,02E-01	1,82E-02	3,86E-03	0,00E+00	3,45E-02	0,00E+00	6,84E-05	4,00E-03	4,12E-02	0,00E+00	-6,71E-02
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 renewa 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													

Waste categories and output flows per Placa 353x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,07E+00	2,64E-01	3,55E-01	1,34E-01	6,41E-02	0,00E+00	2,54E-02	0,00E+00	3,57E-05	2,96E-02	1,37E+00	0,00E+00	-6,13E-02
NHWD	[kg]	1,03E+02	2,92E+00	3,12E+01	1,49E+00	4,88E+00	0,00E+00	1,93E+00	0,00E+00	3,82E-04	3,28E-01	1,26E+02	0,00E+00	-6,08E-01
RWD	[kg]	9,91E-04	1,00E-04	1,29E-04	4,36E-05	5,26E-07	0,00E+00	9,81E-06	0,00E+00	9,45E-08	9,61E-06	5,87E-05	0,00E+00	-9,36E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	5,21E+01	0,00E+00	1,01E+01	0,00E+00	3,55E-01	0,00E+00	0,00E+00	0,00E+00	2,16E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,14E+02	0,00E+00	2,01E+01	0,00E+00	6,93E-01	0,00E+00	0,00E+00	0,00E+00	5,11E+02	0,00E+00	0,00E+00
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 en													

Placa 424x110x74

Core environmental impacts per Placa 424x110x74														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-2,36E+02	1,87E+01	5,45E+01	9,76E+00	3,90E+01	0,00E+00	9,51E-01	0,00E+00	1,24E-03	2,41E+00	2,00E+02	0,00E+00	-6,79E+00
GWP-fossil	kg CO2 eq.	3,00E+01	1,86E+01	7,47E+00	9,75E+00	1,67E+00	0,00E+00	9,50E-01	0,00E+00	1,16E-03	2,41E+00	1,81E+01	0,00E+00	-6,71E+00
GWP-biogenic	kg CO2 eq.	-2,66E+02	1,51E-02	4,71E+01	6,76E-03	3,73E+01	0,00E+00	2,35E-04	0,00E+00	7,27E-05	1,67E-03	1,82E+02	0,00E+00	-7,53E-02
GWP-luluc	kg CO2 eq.	6,35E-02	7,00E-03	1,47E-03	3,24E-03	3,83E-05	0,00E+00	5,58E-04	0,00E+00	4,93E-06	7,99E-04	1,92E-03	0,00E+00	-5,38E-03
ODP	kg CFC 11 eq.	6,88E-07	3,69E-07	1,02E-07	1,94E-07	1,78E-09	0,00E+00	1,72E-06	0,00E+00	2,49E-11	4,78E-08	1,49E-07	0,00E+00	-2,58E-07
AP	mol H+ eq.	2,29E-01	4,38E-02	2,52E-02	2,03E-02	1,18E-03	0,00E+00	3,55E-03	0,00E+00	6,98E-06	5,01E-03	3,36E-02	0,00E+00	-1,13E-02
EP-freshwater	kg P eq.	1,17E-02	1,40E-03	2,26E-03	6,61E-04	2,41E-05	0,00E+00	1,94E-04	0,00E+00	8,54E-07	1,63E-04	3,00E-03	0,00E+00	-9,56E-04
EP-marine	kg N eq.	3,06E-02	1,16E-02	6,39E-03	4,88E-03	6,02E-04	0,00E+00	6,79E-04	0,00E+00	1,26E-06	1,20E-03	1,35E-02	0,00E+00	-2,84E-03
EP-terrestrial	mol N eq.	2,87E-01	1,26E-01	6,36E-02	5,26E-02	5,54E-03	0,00E+00	8,38E-03	0,00E+00	1,51E-05	1,30E-02	1,30E-01	0,00E+00	-3,19E-02
POCP	kg NMVOC eq.	1,28E-01	7,06E-02	1,95E-02	3,38E-02	1,41E-03	0,00E+00	3,48E-03	0,00E+00	3,78E-06	8,33E-03	4,11E-02	0,00E+00	-1,43E-02
ADPm	kg Sb eq.	2,37E-04	6,37E-05	6,49E-05	3,25E-05	3,78E-07	0,00E+00	5,98E-06	0,00E+00	3,66E-08	8,02E-06	2,81E-05	0,00E+00	-3,93E-05
ADPf	MJ	5,13E+02	2,63E+02	7,75E+01	1,37E+02	1,05E+00	0,00E+00	1,23E+01	0,00E+00	1,87E-02	3,38E+01	8,99E+01	0,00E+00	-1,07E+02
WDP(1)	m3 world eq. depr	1,81E+01	1,39E+00	2,05E+00	6,71E-01	2,81E-01	0,00E+00	2,27E-01	0,00E+00	2,10E-03	1,65E-01	4,60E+00	0,00E+00	-2,30E+00
Caption	GWP-total = Global 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 = Acidification; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 424x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,89E-06	1,34E-06	1,77E-07	7,18E-07	1,01E-08	0,00E+00	4,19E-08	0,00E+00	4,58E-11	1,77E-07	3,78E-07	0,00E+00	-7,05E-08
IRP (2)	[kBq U235 eq.]	3,98E+00	4,19E-01	5,54E-01	1,78E-01	2,12E-03	0,00E+00	4,74E-02	0,00E+00	4,15E-04	4,39E-02	2,27E-01	0,00E+00	-4,50E-01
ETP-fw (1)	[CTUe]	5,77E+02	7,41E+01	2,94E+01	3,73E+01	5,69E+00	0,00E+00	4,79E+00	0,00E+00	7,92E-03	9,21E+00	1,43E+02	0,00E+00	-1,27E+01
HTP-c (1)	[CTUh]	5,07E-07	1,35E-07	3,69E-08	6,92E-08	1,59E-09	0,00E+00	3,90E-09	0,00E+00	5,41E-12	1,71E-08	6,92E-08	0,00E+00	-1,42E-08
HTP-nc (1)	[CTUh]	3,68E-07	1,67E-07	1,49E-07	8,88E-08	1,38E-08	0,00E+00	8,19E-09	0,00E+00	3,89E-11	2,19E-08	2,88E-07	0,00E+00	-4,62E-08
SQP (1)	-	1,57E+03	1,65E+02	2,01E+01	8,29E+01	3,71E-01	0,00E+00	3,38E+00	0,00E+00	3,26E-02	2,04E+01	1,34E+01	0,00E+00	-3,43E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 424x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3,13E+02	5,27E+00	6,58E+02	2,36E+00	5,47E+01	0,00E+00	8,43E-01	0,00E+00	2,88E-02	5,81E-01	2,12E+03	0,00E+00	-2,95E+01
PERM	[MJ]	2,73E+03	0,00E+00	-5,53E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,12E+03	0,00E+00	0,00E+00
PERT	[MJ]	3,04E+03	5,27E+00	1,05E+02	2,36E+00	2,88E-02	0,00E+00	8,43E-01	0,00E+00	2,88E-02	5,81E-01	0,00E+00	0,00E+00	-2,95E+01
PENRE	[MJ]	4,84E+02	2,39E+02	6,11E+01	1,24E+02	2,15E+01	0,00E+00	1,65E+01	0,00E+00	1,83E-02	3,07E+01	9,84E+01	0,00E+00	-1,01E+02
PENRM	[MJ]	1,20E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-9,84E+01	0,00E+00	0,00E+00
PENRT	[MJ]	6,04E+02	2,39E+02	6,11E+01	1,24E+02	1,83E-02	0,00E+00	1,65E+01	0,00E+00	1,83E-02	3,07E+01	0,00E+00	0,00E+00	-1,01E+02
SM	[kg]	1,70E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,38E-01	3,86E-02	1,08E-01	1,84E-02	3,86E-03	0,00E+00	4,14E-02	0,00E+00	6,84E-05	4,55E-03	4,19E-02	0,00E+00	-7,39E-02
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 renewa 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													

Waste categories and output flows per Placa 424x110x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,20E+00	2,77E-01	3,73E-01	1,36E-01	6,41E-02	0,00E+00	3,05E-02	0,00E+00	3,57E-05	3,36E-02	1,40E+00	0,00E+00	-6,66E-02
NHWD	[kg]	1,07E+02	3,05E+00	3,33E+01	1,51E+00	4,88E+00	0,00E+00	2,32E+00	0,00E+00	3,82E-04	3,72E-01	1,28E+02	0,00E+00	-6,62E-01
RWD	[kg]	1,02E-03	1,05E-04	1,36E-04	4,42E-05	5,26E-07	0,00E+00	1,18E-05	0,00E+00	9,45E-08	1,09E-05	5,99E-05	0,00E+00	-1,03E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	5,57E+01	0,00E+00	1,01E+01	0,00E+00	4,26E-01	0,00E+00	0,00E+00	0,00E+00	2,19E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,21E+02	0,00E+00	2,01E+01	0,00E+00	8,31E-01	0,00E+00	0,00E+00	0,00E+00	5,19E+02	0,00E+00	0,00E+00
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 en													

Placa 424x110x90

Core environmental impacts per Placa 424x110x90														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-2,54E+02	1,99E+01	5,79E+01	1,05E+01	3,90E+01	0,00E+00	9,51E-01	0,00E+00	1,24E-03	2,50E+00	2,18E+02	0,00E+00	-7,06E+00
GWP-fossil	kg CO2 eq.	3,17E+01	1,99E+01	7,93E+00	1,05E+01	1,67E+00	0,00E+00	9,50E-01	0,00E+00	1,16E-03	2,50E+00	1,97E+01	0,00E+00	-6,98E+00
GWP-biogenic	kg CO2 eq.	-2,85E+02	1,60E-02	5,00E+01	7,26E-03	3,73E+01	0,00E+00	2,35E-04	0,00E+00	7,27E-05	1,73E-03	1,98E+02	0,00E+00	-7,63E-02
GWP-luluc	kg CO2 eq.	6,50E-02	7,45E-03	1,58E-03	3,48E-03	3,83E-05	0,00E+00	5,58E-04	0,00E+00	4,93E-06	8,29E-04	2,09E-03	0,00E+00	-5,46E-03
ODP	kg CFC 11 eq.	7,29E-07	3,95E-07	1,09E-07	2,08E-07	1,78E-09	0,00E+00	1,72E-06	0,00E+00	2,49E-11	4,96E-08	1,63E-07	0,00E+00	-2,69E-07
AP	mol H+ eq.	2,45E-01	4,65E-02	2,68E-02	2,18E-02	1,18E-03	0,00E+00	3,55E-03	0,00E+00	6,98E-06	5,20E-03	3,66E-02	0,00E+00	-1,16E-02
EP-freshwater	kg P eq.	1,23E-02	1,49E-03	2,40E-03	7,10E-04	2,41E-05	0,00E+00	1,94E-04	0,00E+00	8,54E-07	1,69E-04	3,27E-03	0,00E+00	-9,70E-04
EP-marine	kg N eq.	3,21E-02	1,23E-02	6,79E-03	5,24E-03	6,02E-04	0,00E+00	6,79E-04	0,00E+00	1,26E-06	1,25E-03	1,47E-02	0,00E+00	-2,93E-03
EP-terrestrial	mol N eq.	3,01E-01	1,33E-01	6,76E-02	5,66E-02	5,54E-03	0,00E+00	8,38E-03	0,00E+00	1,51E-05	1,35E-02	1,42E-01	0,00E+00	-3,28E-02
POCP	kg NMVOC eq.	1,35E-01	7,50E-02	2,07E-02	3,63E-02	1,41E-03	0,00E+00	3,48E-03	0,00E+00	3,78E-06	8,64E-03	4,48E-02	0,00E+00	-1,49E-02
ADPm	kg Sb eq.	2,52E-04	6,83E-05	6,96E-05	3,49E-05	3,78E-07	0,00E+00	5,98E-06	0,00E+00	3,66E-08	8,32E-06	3,06E-05	0,00E+00	-3,98E-05
ADPf	MJ	5,42E+02	2,81E+02	8,22E+01	1,47E+02	1,05E+00	0,00E+00	1,23E+01	0,00E+00	1,87E-02	3,51E+01	9,81E+01	0,00E+00	-1,11E+02
WDP(1)	m3 world eq. depr	1,91E+01	1,48E+00	2,19E+00	7,21E-01	2,81E-01	0,00E+00	2,27E-01	0,00E+00	2,10E-03	1,72E-01	5,01E+00	0,00E+00	-2,33E+00
Caption	GWP-total = Global 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 = Acidification; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa 424x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	1,98E-06	1,43E-06	1,90E-07	7,72E-07	1,01E-08	0,00E+00	4,19E-08	0,00E+00	4,58E-11	1,84E-07	4,12E-07	0,00E+00	-7,22E-08
IRP (2)	[kBq U235 eq.]	4,23E+00	4,45E-01	5,87E-01	1,91E-01	2,12E-03	0,00E+00	4,74E-02	0,00E+00	4,15E-04	4,56E-02	2,47E-01	0,00E+00	-4,57E-01
ETP-fw (1)	[CTUe]	6,12E+02	7,92E+01	3,14E+01	4,01E+01	5,69E+00	0,00E+00	4,79E+00	0,00E+00	7,92E-03	9,56E+00	1,55E+02	0,00E+00	-1,30E+01
HTP-c (1)	[CTUh]	5,18E-07	1,44E-07	3,96E-08	7,44E-08	1,59E-09	0,00E+00	3,90E-09	0,00E+00	5,41E-12	1,77E-08	7,55E-08	0,00E+00	-1,47E-08
HTP-nc (1)	[CTUh]	3,86E-07	1,79E-07	1,58E-07	9,55E-08	1,38E-08	0,00E+00	8,19E-09	0,00E+00	3,89E-11	2,27E-08	3,14E-07	0,00E+00	-4,70E-08
SQP (1)	-	1,58E+03	1,75E+02	2,15E+01	8,91E+01	3,71E-01	0,00E+00	3,38E+00	0,00E+00	3,26E-02	2,12E+01	1,46E+01	0,00E+00	-3,47E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa 424x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3,16E+02	5,61E+00	7,01E+02	2,53E+00	5,47E+01	0,00E+00	8,43E-01	0,00E+00	2,88E-02	6,03E-01	2,32E+03	0,00E+00	-2,99E+01
PERM	[MJ]	2,96E+03	0,00E+00	-5,87E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,32E+03	0,00E+00	0,00E+00
PERT	[MJ]	3,27E+03	5,61E+00	1,14E+02	2,53E+00	2,88E-02	0,00E+00	8,43E-01	0,00E+00	2,88E-02	6,03E-01	0,00E+00	0,00E+00	-2,99E+01
PENRE	[MJ]	5,12E+02	2,55E+02	6,48E+01	1,34E+02	2,15E+01	0,00E+00	1,65E+01	0,00E+00	1,83E-02	3,19E+01	1,06E+02	0,00E+00	-1,05E+02
PENRM	[MJ]	1,28E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,06E+02	0,00E+00	0,00E+00
PENRT	[MJ]	6,39E+02	2,55E+02	6,48E+01	1,34E+02	1,83E-02	0,00E+00	1,65E+01	0,00E+00	1,83E-02	3,19E+01	0,00E+00	0,00E+00	-1,05E+02
SM	[kg]	1,83E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,66E-01	4,11E-02	1,15E-01	1,98E-02	3,86E-03	0,00E+00	4,14E-02	0,00E+00	6,84E-05	4,72E-03	4,56E-02	0,00E+00	-7,50E-02
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 renewa 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													

Waste categories and output flows per Placa 424x110x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	3,35E+00	2,95E-01	3,99E-01	1,46E-01	6,41E-02	0,00E+00	3,05E-02	0,00E+00	3,57E-05	3,48E-02	1,52E+00	0,00E+00	-6,85E-02
NHWD	[kg]	1,13E+02	3,26E+00	3,54E+01	1,62E+00	4,88E+00	0,00E+00	2,32E+00	0,00E+00	3,82E-04	3,86E-01	1,39E+02	0,00E+00	-6,80E-01
RWD	[kg]	1,08E-03	1,11E-04	1,45E-04	4,75E-05	5,26E-07	0,00E+00	1,18E-05	0,00E+00	9,45E-08	1,13E-05	6,52E-05	0,00E+00	-1,05E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	5,91E+01	0,00E+00	1,01E+01	0,00E+00	4,26E-01	0,00E+00	0,00E+00	0,00E+00	2,39E+02	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,29E+02	0,00E+00	2,01E+01	0,00E+00	8,31E-01	0,00E+00	0,00E+00	0,00E+00	5,66E+02	0,00E+00	0,00E+00
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 en													

Placa Ø150x74

Core environmental impacts per Placa Ø150x74														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,34E+02	8,50E+00	4,16E+01	4,96E+00	3,90E+01	0,00E+00	3,63E-01	0,00E+00	1,24E-03	6,93E-01	8,19E+01	0,00E+00	-3,29E+00
GWP-fossil	kg CO2 eq.	1,51E+01	8,49E+00	3,99E+00	4,95E+00	1,67E+00	0,00E+00	3,63E-01	0,00E+00	1,16E-03	6,92E-01	7,47E+00	0,00E+00	-3,25E+00
GWP-biogenic	kg CO2 eq.	-1,49E+02	8,15E-03	3,76E+01	3,43E-03	3,73E+01	0,00E+00	8,97E-05	0,00E+00	7,27E-05	4,80E-04	7,45E+01	0,00E+00	-3,99E-02
GWP-luluc	kg CO2 eq.	3,99E-02	3,47E-03	6,59E-04	1,64E-03	3,83E-05	0,00E+00	2,13E-04	0,00E+00	4,93E-06	2,30E-04	7,85E-04	0,00E+00	-2,84E-03
ODP	kg CFC 11 eq.	3,56E-07	1,67E-07	4,76E-08	9,85E-08	1,78E-09	0,00E+00	6,59E-07	0,00E+00	2,49E-11	1,38E-08	6,17E-08	0,00E+00	-1,24E-07
AP	mol H+ eq.	1,05E-01	2,20E-02	1,23E-02	1,03E-02	1,18E-03	0,00E+00	1,36E-03	0,00E+00	6,98E-06	1,44E-03	1,38E-02	0,00E+00	-5,75E-03
EP-freshwater	kg P eq.	5,98E-03	6,79E-04	9,43E-04	3,36E-04	2,41E-05	0,00E+00	7,41E-05	0,00E+00	8,54E-07	4,69E-05	1,22E-03	0,00E+00	-5,03E-04
EP-marine	kg N eq.	1,67E-02	6,26E-03	3,66E-03	2,48E-03	6,02E-04	0,00E+00	2,60E-04	0,00E+00	1,26E-06	3,47E-04	5,51E-03	0,00E+00	-1,42E-03
EP-terrestrial	mol N eq.	1,51E-01	6,78E-02	3,61E-02	2,67E-02	5,54E-03	0,00E+00	3,20E-03	0,00E+00	1,51E-05	3,74E-03	5,35E-02	0,00E+00	-1,60E-02
POCP	kg NMVOC eq.	6,45E-02	3,45E-02	1,10E-02	1,71E-02	1,41E-03	0,00E+00	1,33E-03	0,00E+00	3,78E-06	2,40E-03	1,69E-02	0,00E+00	-7,02E-03
ADPm	kg Sb eq.	1,12E-04	2,89E-05	2,59E-05	1,65E-05	3,78E-07	0,00E+00	2,29E-06	0,00E+00	3,66E-08	2,31E-06	1,15E-05	0,00E+00	-2,07E-05
ADPf	MJ	2,61E+02	1,19E+02	3,51E+01	6,97E+01	1,05E+00	0,00E+00	4,69E+00	0,00E+00	1,87E-02	9,74E+00	3,72E+01	0,00E+00	-5,18E+01
WDP(1)	m3 world eq. depr	9,19E+00	6,58E-01	1,24E+00	3,41E-01	2,81E-01	0,00E+00	8,67E-02	0,00E+00	2,10E-03	4,76E-02	1,88E+00	0,00E+00	-1,21E+00
Caption	GWP-total = Global 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 = Acidification; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa Ø150x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	8,66E-07	5,93E-07	9,98E-08	3,65E-07	1,01E-08	0,00E+00	1,60E-08	0,00E+00	4,58E-11	5,10E-08	1,55E-07	0,00E+00	-3,61E-08
IRP (2)	[kBq U235 eq.]	1,90E+00	2,17E-01	2,10E-01	9,04E-02	2,12E-03	0,00E+00	1,81E-02	0,00E+00	4,15E-04	1,26E-02	9,26E-02	0,00E+00	-2,38E-01
ETP-fw (1)	[CTUe]	2,62E+02	3,44E+01	1,50E+01	1,90E+01	5,69E+00	0,00E+00	1,83E+00	0,00E+00	7,92E-03	2,65E+00	5,82E+01	0,00E+00	-6,47E+00
HTP-c (1)	[CTUh]	2,30E-07	6,25E-08	2,05E-08	3,52E-08	1,59E-09	0,00E+00	1,49E-09	0,00E+00	5,41E-12	4,92E-09	2,85E-08	0,00E+00	-7,06E-09
HTP-nc (1)	[CTUh]	1,87E-07	7,48E-08	8,52E-08	4,51E-08	1,38E-08	0,00E+00	3,13E-09	0,00E+00	3,89E-11	6,31E-09	1,18E-07	0,00E+00	-2,41E-08
SQP (1)	-	5,66E+02	7,29E+01	8,61E+00	4,21E+01	3,71E-01	0,00E+00	1,29E+00	0,00E+00	3,26E-02	5,88E+00	5,48E+00	0,00E+00	-1,81E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa Ø150x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,16E+02	2,64E+00	4,84E+02	1,20E+00	5,47E+01	0,00E+00	3,22E-01	0,00E+00	2,88E-02	1,67E-01	8,73E+02	0,00E+00	-1,57E+01
PERM	[MJ]	1,37E+03	0,00E+00	-4,42E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-8,73E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,48E+03	2,64E+00	4,26E+01	1,20E+00	2,88E-02	0,00E+00	3,22E-01	0,00E+00	2,88E-02	1,67E-01	0,00E+00	0,00E+00	-1,57E+01
PENRE	[MJ]	2,46E+02	1,09E+02	2,27E+01	6,32E+01	2,15E+01	0,00E+00	6,29E+00	0,00E+00	1,83E-02	8,84E+00	3,97E+01	0,00E+00	-4,89E+01
PENRM	[MJ]	6,11E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,97E+01	0,00E+00	0,00E+00
PENRT	[MJ]	3,07E+02	1,09E+02	2,27E+01	6,32E+01	1,83E-02	0,00E+00	6,29E+00	0,00E+00	1,83E-02	8,84E+00	0,00E+00	0,00E+00	-4,89E+01
SM	[kg]	9,61E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,23E-01	1,84E-02	4,32E-02	9,36E-03	3,86E-03	0,00E+00	1,58E-02	0,00E+00	6,84E-05	1,31E-03	1,71E-02	0,00E+00	-3,90E-02
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 renewa 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													

Waste categories and output flows per Placa Ø150x74														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1,45E+00	1,32E-01	2,28E-01	6,91E-02	6,41E-02	0,00E+00	1,17E-02	0,00E+00	3,57E-05	9,67E-03	5,72E-01	0,00E+00	-3,37E-02
NHWD	[kg]	5,01E+01	1,43E+00	2,61E+01	7,66E-01	4,88E+00	0,00E+00	8,87E-01	0,00E+00	3,82E-04	1,07E-01	5,22E+01	0,00E+00	-3,36E-01
RWD	[kg]	4,86E-04	5,43E-05	5,18E-05	2,25E-05	5,26E-07	0,00E+00	4,50E-06	0,00E+00	9,45E-08	3,14E-06	2,45E-05	0,00E+00	-5,44E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	4,45E+01	0,00E+00	1,01E+01	0,00E+00	1,63E-01	0,00E+00	0,00E+00	0,00E+00	8,99E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	9,69E+01	0,00E+00	2,01E+01	0,00E+00	3,18E-01	0,00E+00	0,00E+00	0,00E+00	2,13E+02	0,00E+00	0,00E+00
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 en													

Placa Ø150x90

Core environmental impacts per Placa Ø150x90														
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO2 eq.	-1,40E+02	8,94E+00	4,27E+01	5,21E+00	3,90E+01	0,00E+00	3,63E-01	0,00E+00	1,24E-03	7,24E-01	8,81E+01	0,00E+00	-3,39E+00
GWP-fossil	kg CO2 eq.	1,57E+01	8,93E+00	4,12E+00	5,20E+00	1,67E+00	0,00E+00	3,63E-01	0,00E+00	1,16E-03	7,24E-01	8,03E+00	0,00E+00	-3,34E+00
GWP-biogenic	kg CO2 eq.	-1,56E+02	8,46E-03	3,86E+01	3,60E-03	3,73E+01	0,00E+00	8,97E-05	0,00E+00	7,27E-05	5,01E-04	8,01E+01	0,00E+00	-4,03E-02
GWP-luluc	kg CO2 eq.	4,04E-02	3,62E-03	6,93E-04	1,73E-03	3,83E-05	0,00E+00	2,13E-04	0,00E+00	4,93E-06	2,40E-04	8,44E-04	0,00E+00	-2,87E-03
ODP	kg CFC 11 eq.	3,70E-07	1,75E-07	4,96E-08	1,03E-07	1,78E-09	0,00E+00	6,59E-07	0,00E+00	2,49E-11	1,44E-08	6,63E-08	0,00E+00	-1,28E-07
AP	mol H+ eq.	1,11E-01	2,29E-02	1,28E-02	1,08E-02	1,18E-03	0,00E+00	1,36E-03	0,00E+00	6,98E-06	1,51E-03	1,48E-02	0,00E+00	-5,85E-03
EP-freshwater	kg P eq.	6,19E-03	7,11E-04	9,80E-04	3,52E-04	2,41E-05	0,00E+00	7,41E-05	0,00E+00	8,54E-07	4,90E-05	1,31E-03	0,00E+00	-5,08E-04
EP-marine	kg N eq.	1,72E-02	6,48E-03	3,78E-03	2,60E-03	6,02E-04	0,00E+00	2,60E-04	0,00E+00	1,26E-06	3,62E-04	5,93E-03	0,00E+00	-1,45E-03
EP-terrestrial	mol N eq.	1,56E-01	7,01E-02	3,73E-02	2,81E-02	5,54E-03	0,00E+00	3,20E-03	0,00E+00	1,51E-05	3,91E-03	5,75E-02	0,00E+00	-1,63E-02
POCP	kg NMVOC eq.	6,69E-02	3,60E-02	1,14E-02	1,80E-02	1,41E-03	0,00E+00	1,33E-03	0,00E+00	3,78E-06	2,50E-03	1,82E-02	0,00E+00	-7,21E-03
ADPm	kg Sb eq.	1,17E-04	3,05E-05	2,73E-05	1,73E-05	3,78E-07	0,00E+00	2,29E-06	0,00E+00	3,66E-08	2,41E-06	1,23E-05	0,00E+00	-2,09E-05
ADPf	MJ	2,71E+02	1,26E+02	3,64E+01	7,32E+01	1,05E+00	0,00E+00	4,69E+00	0,00E+00	1,87E-02	1,02E+01	4,00E+01	0,00E+00	-5,33E+01
WDP(1)	m3 world eq. depr	9,55E+00	6,90E-01	1,28E+00	3,58E-01	2,81E-01	0,00E+00	8,67E-02	0,00E+00	2,10E-03	4,98E-02	2,02E+00	0,00E+00	-1,22E+00
Caption	GWP-total = Global 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 = Acidfcation; EP-freshwater = marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use													
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 Placa Ø150x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Disease incidence]	8,98E-07	6,24E-07	1,04E-07	3,83E-07	1,01E-08	0,00E+00	1,60E-08	0,00E+00	4,58E-11	5,33E-08	1,67E-07	0,00E+00	-3,67E-08
IRP (2)	[kBq U235 eq.]	1,98E+00	2,25E-01	2,18E-01	9,49E-02	2,12E-03	0,00E+00	1,81E-02	0,00E+00	4,15E-04	1,32E-02	9,95E-02	0,00E+00	-2,40E-01
ETP-fw (1)	[CTUe]	2,75E+02	3,61E+01	1,56E+01	1,99E+01	5,69E+00	0,00E+00	1,83E+00	0,00E+00	7,92E-03	2,77E+00	6,25E+01	0,00E+00	-6,58E+00
HTP-c (1)	[CTUh]	2,34E-07	6,57E-08	2,14E-08	3,69E-08	1,59E-09	0,00E+00	1,49E-09	0,00E+00	5,41E-12	5,14E-09	3,07E-08	0,00E+00	-7,22E-09
HTP-nc (1)	[CTUh]	1,93E-07	7,87E-08	8,82E-08	4,74E-08	1,38E-08	0,00E+00	3,13E-09	0,00E+00	3,89E-11	6,59E-09	1,27E-07	0,00E+00	-2,44E-08
SQP (1)	-	5,68E+02	7,63E+01	9,07E+00	4,42E+01	3,71E-01	0,00E+00	1,29E+00	0,00E+00	3,26E-02	6,15E+00	5,88E+00	0,00E+00	-1,83E+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													
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 experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing ra 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 Placa Ø150x90														
Parameter	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3-B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	1,16E+02	2,76E+00	4,99E+02	1,26E+00	5,47E+01	0,00E+00	3,22E-01	0,00E+00	2,88E-02	1,75E-01	9,39E+02	0,00E+00	-1,58E+01
PERM	[MJ]	1,45E+03	0,00E+00	-4,53E+02	0,00E+00	-5,47E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-9,39E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,56E+03	2,76E+00	4,57E+01	1,26E+00	2,88E-02	0,00E+00	3,22E-01	0,00E+00	2,88E-02	1,75E-01	0,00E+00	0,00E+00	-1,58E+01
PENRE	[MJ]	2,55E+02	1,14E+02	2,36E+01	6,64E+01	2,15E+01	0,00E+00	6,29E+00	0,00E+00	1,83E-02	9,23E+00	4,24E+01	0,00E+00	-5,02E+01
PENRM	[MJ]	6,38E+01	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,24E+01	0,00E+00	0,00E+00
PENRT	[MJ]	3,19E+02	1,14E+02	2,36E+01	6,64E+01	1,83E-02	0,00E+00	6,29E+00	0,00E+00	1,83E-02	9,23E+00	0,00E+00	0,00E+00	-5,02E+01
SM	[kg]	1,01E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,32E-01	1,92E-02	4,49E-02	9,83E-03	3,86E-03	0,00E+00	1,58E-02	0,00E+00	6,84E-05	1,37E-03	1,84E-02	0,00E+00	-3,94E-02
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 renewa 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													

Waste categories and output flows per Placa Ø150x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	1,50E+00	1,38E-01	2,36E-01	7,26E-02	6,41E-02	0,00E+00	1,17E-02	0,00E+00	3,57E-05	1,01E-02	6,15E-01	0,00E+00	-3,43E-02
NHWD	[kg]	5,22E+01	1,50E+00	2,68E+01	8,04E-01	4,88E+00	0,00E+00	8,87E-01	0,00E+00	3,82E-04	1,12E-01	5,61E+01	0,00E+00	-3,42E-01
RWD	[kg]	5,07E-04	5,65E-05	5,38E-05	2,36E-05	5,26E-07	0,00E+00	4,50E-06	0,00E+00	9,45E-08	3,28E-06	2,63E-05	0,00E+00	-5,49E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	4,56E+01	0,00E+00	1,01E+01	0,00E+00	1,63E-01	0,00E+00	0,00E+00	0,00E+00	9,67E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	9,95E+01	0,00E+00	2,01E+01	0,00E+00	3,18E-01	0,00E+00	0,00E+00	0,00E+00	2,29E+02	0,00E+00	0,00E+00
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 en													

Biogenic carbon content at catory gate

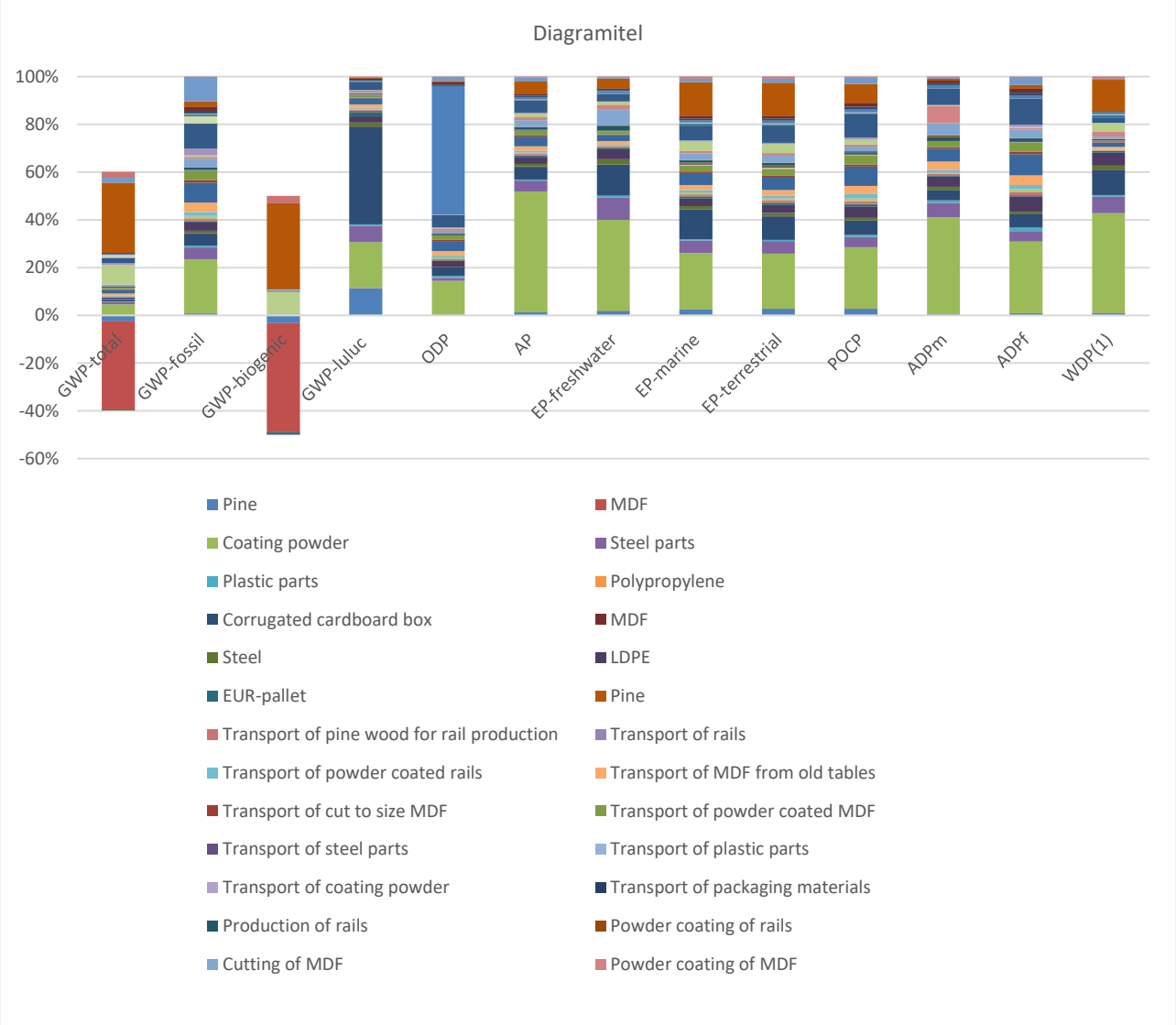
		Biogenic carbon content per:									
		212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90
Parameter	**Unit**	**At the factory gate**									
Biogenic carbon content in product	[kg C]	24,48	26,63	29,89	32,04	44,25	48,74	49,56	54,05	20,31	21,85
Biogenic carbon content in accompanying packaging	[kg C]	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21
Note		1 kg biogenic carbon is quivalent to 44/12 kg of CO2									

Additional information

LCA interpretation

The figure below shows a contribution analysis of the A-Table 200x103x74. The different colors represent the various raw materials and processes, and the size of each color on the bar indicates the significance of the raw material or process for each environmental impact category. The figure is a 100% stacked chart, and therefore does not express the absolute size of the impact of the different environmental impact categories, but rather the relative size, i.e., the percentage contribution of the various raw materials or processes to the different environmental impact categories.

Overall, it is the production of powder coating that contributes the most to the majority of impact categories. Out of 13 impact categories, the production of powder coating is the largest contributor to 8 of them (GWP-fossil, AP, EP-freshwater, EP-marine, EP-terrestrial, POCP, ADPm, and ADPf). For the remaining impact categories, there is considerable variation in which raw materials and processes contribute the most. The production of corrugated cardboard boxes contributes the most to GWP-luluc, the production of cloth is the largest contributor to ODP, and the powder coating process itself contributes the most to WDP.



Technical information on scenarios

Transport to the building site (A4)

	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90	
Scenario information	**Value**										**Unit**
Fuel type	Diesel										-
Vehicle type	transport, freight, lorry 16-32 metric ton, EURO6										-
Transport distance	333										km
Capacity utilisation (including empty runs)	24,67										%
Gross density of products transported	-										kg/m3

Installation of the product in the building (A5)

	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90	
Scenario information	**Value**										**Unit**
Ancillary materials	0,00										kg
Water use	0,00										m3
Other ressource use	0,00										kg
Energy type and consumption	0,01										kWh
Waste materials	4,63										kg
Output materials	0,00										kg
Direct emissions to air, soil or water	0,00										kg

Reference service life

RSL information		Unit
Reference service life	15	Years
Declared product properties	Materials: Powder coated MDF, pine wood, steel, plastic.	As appropriate
Design application parameters	Assembled with a handheld drill.	As appropriate
Assumed quality of work	-	As appropriate
Outdoor environment	No	As appropriate
Indoor environment	Yes	As appropriate
Usage conditions	Daily use	As appropriate
Maintenance	Cleaning of tabletop with a cloth and luke warm water.	As appropriate

Use (B1-B7)

B2 - Maintenance		212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90
Maintenance process		Cleaning of tabletop									
Maintenance cycles per year		52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14
Ancillary materials for maintenance (specify which)	Polyester [kg]	0,05	0,05	0,07	0,07	0,09	0,09	0,11	0,11	0,04	0,04
Waste materials resulting from maintenance (specify which)	Polyester [kg]	0,05	0,05	0,07	0,07	0,09	0,09	0,11	0,11	0,04	0,04
Net freshwaterconsumption during maintenance [kg]		18,07	18,07	24,09	24,09	30,11	30,11	36,14	36,14	13,81	13,81
Energy input during maintenance		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

End of life (C1-C4)

	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90	
Scenario information	**Value**										**Unit**
Collected seperately	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	kg
Collected with mixed waste	63,46	68,98	77,43	82,95	114,67	126,18	128,38	139,88	52,54	56,48	kg
For reuse	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	kg
For recycling	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	kg
For energy recovery	63,46	68,98	77,43	82,95	114,67	126,18	128,38	139,88	52,54	56,48	kg
For final disposal	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	kg
Assumptions for scenario development	100% incineration										

Re-use, recovery and recycling potential (D)

	212x110x74	212x110x90	282x110x74	282x110x90	353x110x74	353x110x90	424x110x74	424x110x90	Ø150x74	Ø150x90	
Scenario information/material	**Value**										**Unit**
Displaced electricity, modelled as DK market mix	17,57	7,61	10,99	11,15	14,79	15,12	17,83	18,17	4,52	4,64	MJ
Displaced thermal energy, modelled as natural gas	56,50	38,55	48,27	50,43	68,53	73,01	79,42	83,91	26,76	28,30	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

Publisher	epddanmark www.epddanmark.dk Template version 2023.2
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LCA software /background data	*openLCA 2.0.4* *Ecoinvent v3.10 EN 15804* *EN 15804 reference package 3.1*
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General programme instructions
General Programme Instructions, version 2.0, spring 2020
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”

PCR for furniture
NPCR 026:2022 – “Part B for Furniture (references to EN 15804 +A2)”

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 framework”

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