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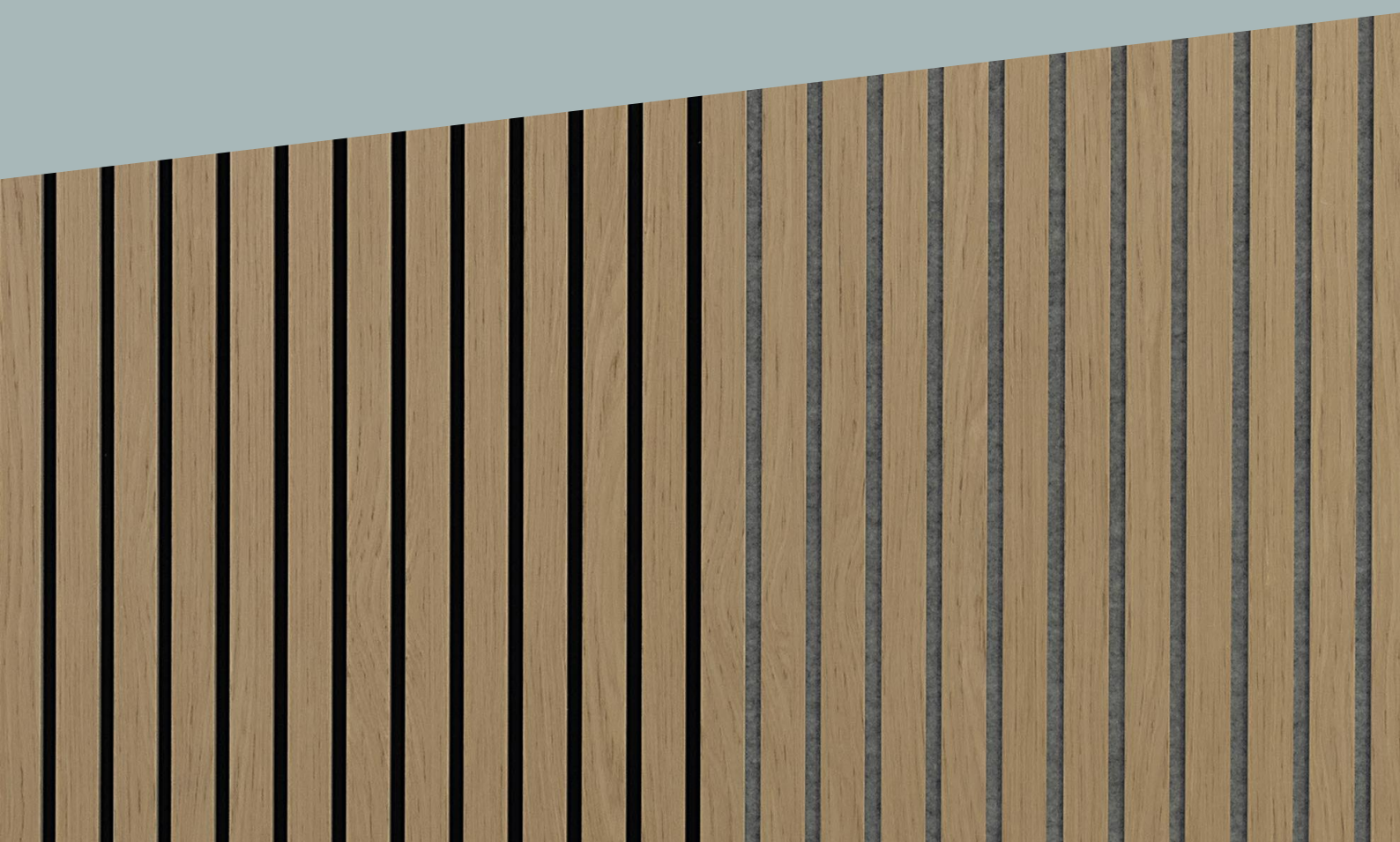
ECO PLATFORM EPD VERIFIED

Owner:	Vesterby Træteknik A/S
No.:	MD-23142-EN_rev1
Issued:	21-11-2023
Revision:	26-03-2025
Valid to:	21-11-2028

3. PARTS **VERIFICERET**

EPD

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



Owner of declaration
Vesterby Træteknik A/S
Thorsvej 12-14, 6862 Tistrup
CVR: 12371330

Programs
EPD Denmark
www.epddanmark.dk

☐ Industry EPD
☒ Product EPD

Declared product(s)
Vesterby Firestop, Multi Panels are fire-retardant panels that comply with B-s1, d0 (fire class). The panels are available in standard dimensions in several variants; slatted panels, solid panels and perforated panels. The panels have an opening degree between 10-40%. All panels are fitted with an acoustic fabric, which improves the acoustics in the room.

- Solid panel 12 mm
- Slatted panel 12 mm (10-19%, 20-29% and 30-40% opening)
- Slatted panel 15 mm (10-19%, 20-29% and 30-40% opening)
- Slatted panel 21 mm (10-19%, 20-29% and 30-40% opening)
- Slatted panel 30 mm (10-19%, 20-29% and 30-40% opening)
- Perforated panel 12 mm (10-19%, 20-29% and 30-40% opening)
- Perforated panel 15 mm (10-19%, 20-29% and 30-40% opening)
- Perforated panel 21 mm (10-19%, 20-29% and 30-40% opening)
- Perforated panel 30 mm (10-19%, 20-29% and 30-40% opening)

Number of declared datasets/product variations: 25

Production site
Thorsvej 12-14, 6862 Tistrup, Denmark. The factory purchases guarantees of origin for renewable energy to cover its electricity consumption.

Product use
Vesterby Firestop, Multi Panels can be used for cladding walls and ceilings in all types of private and public buildings as well as for renovation projects. The Vesterby Firestop, Multi Panel is fire tested in its full structure and approved for fire class B-s1, d0, as prescribed by the building regulations (BR18) for public buildings.

Declared/functional unit
1 m^2/Cladding of wall or ceiling with 1 m^2 fire-retardant panel with fire class B-s1, d0 and a reference life of 30 years.

Year for production site data (A3)
2022

EPD version
Rev1, 26-03-2024: Translated to English

Issued
21-11-2023

Valid to:
21-11-2028

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 C1-C4 and D
☐Cradle-to-gate with options, 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

☐trainee ☒external

Third party verifier:

Kim Christiansen

Martha Katrine Sorensen
EPD Denmark

Life cycle stages and modules (ND = module not declared)

Product			Construction process		Use							End of life				Outside 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 main materials (composition) of the product are listed in the table below. These constitute 100% by weight of the declared product.

Material	Weight % of declared product			
	12 mm (10-40% opening)	15 mm (10-40% opening)	21 mm (10-40% opening)	30 mm (10-40% opening)
Plywood	72.1-76.5	75.9-78.8	81.1-83.6	85.7-87.7
Stone wool	2.8-3.1	2.5-2.6	1.9-2.0	1.5
Acoustic fabric	11.7-15.2	10.9-13.1	8.4-10.3	6.3-7.8
Veneer	4.9-6.3	4.5-5.5	3.5-4.3	2.6-3.3
Lacquer	0.9-1.0	0.8	0.6-0.7	0.5
Balancing paper	0.5	0.4	0.3	0.2
Glue	1.8-2.0	1.5-1.6	1.2-1.3	0.9-1.0
Staples	0.3	0.2-0.3	0.2	0.1-0.2
Sum	**100**	**100**	**100**	**100**

The product's sales and transport packaging (composition) are listed in the table below. These constitute 100% by weight of the packaging used.

Material	Weight % of packaging
Wood	99.7
Cardboard	0.1
Plastic	0.2
Sum	**100.0**
Total kg/declared unit	**1.0**

Representativeness

The declared unit is 1 m^2 Vesterby Firestop, Multi Panel. The indicators in this EPD are calculated based on a standard size panel of 2.48 m x 0.60 m. To find environmental impacts and other parameters referring to 1 m^2 of product, the indicators are divided by the area of the panel (1.49 m^2).

Data covers production of Vesterby Firestop, Multi Panels at Vesterby Træteknik's factory (Thorsvej 12-14, 6862 Tistrup, Denmark)

Data for the underlying LCA is based on annual averages for 2022. Background data is based on ecoinvent v3.9.1. The data used is less than 10 years old in accordance with EN15804:2012 +A2:2019.

Content of hazardous substances

The product does not contain substances from the REACH Candidate List, "Candidate List of Substances of Very High Concern for authorization" exceeding 0.1% by weight. (http://echa.europa.eu/candidate-list-table).

Essential characteristics

Vesterby Firestop, Multi panels comply with the FSC Chain of Custody standard (NC-COC-054476), as well as fire requirements described in the building regulations (BR18) – fire class B-s1, d0.

Further information about Vesterby Firestop, Multi Panels can be obtained by requesting information from Vesterby Træteknik or on Vesterby Træteknik's website:

https://www.vesterbypaneler.dk/vesterby-firestop/vesterby-firestop-multi-panels/

Lifespan (RSL)

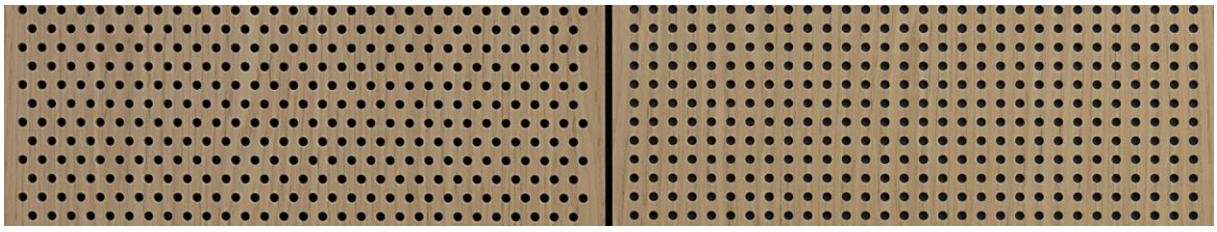
The reference lifespan is 30 years based on the manufacturer's experience and lifespan assessments for similar building products conducted by BUILD – Department of Building, Urban and Environmental Engineering, Aalborg University.

Product image(s)

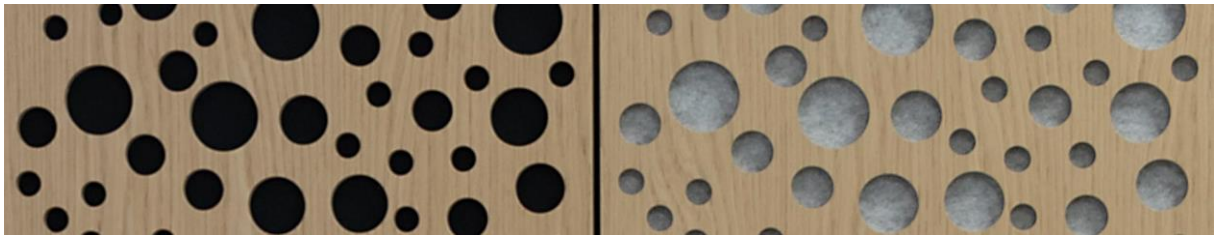
Solid panels:

Slatted panels:

Perforated panels – holes:



Perforated panels – cheese holes:



Perforated panels – slits:

LCA background

Declared unit

LCI and LCIA results in this EPD relate to 1 m^2 of Vesterby Firestop, Multi Panel as indicated in the table below, showing average density and a conversion factor to kg.

Product	Declared unit	Density (kg/m^3)	Weight per declared unit (kg/m^2)	Conversion factor to 1 kg (m^2/kg)
12 mm solid	1 m^2	381	11.8	0.0847
12 mm slat, 10-19% opening		352	10.9	0.0917
12 mm slat, 20-29% opening		323	10.0	0.1000
12 mm slat, 30-40% opening		294	9.1	0.1099
12 mm perforated, 10-19% opening		352	10.9	0.0917
12 mm perforated, 20-29% opening		323	10.0	0.1000
12 mm perforated, 30-40% opening		294	9.1	0.1099
15 mm slat, 10-19% opening		375	12.8	0.0784
15 mm slat, 20-19% opening		343	11.6	0.0859
15 mm slat, 30-40% opening		310	10.5	0.0949
15 mm perforated, 10-19% opening		375	12.8	0.0784
15 mm perforated, 20-29% opening		343	11.6	0.0859
15 mm perforated, 30-40% opening		310	10.5	0.0949
21 mm slat, 10-19% opening		411	16.4	0.0608
21 mm slat, 20-29% opening		373	14.9	0.0670
21 mm slat, 30-40% opening		335	13.4	0.0745
21 mm perforated, 10-29% opening		411	16.4	0.0608
21 mm perforated, 20-29% opening		373	14.9	0.0670
21 mm perforated, 30-40% opening		335	13.4	0.0745
30 mm slat, 10-19% opening		449	22.0	0.0455
30 mm slat, 20-29% opening		405	19.9	0.0503
30 mm slat, 30-40% opening		362	17.7	0.0564
30 mm perforated, 10-19% opening		449	22.0	0.0455
30 mm perforated, 20-29% opening		405	19.9	0.0503
30 mm perforated, 30-40% opening		362	17.7	0.0564

Functional unit

Cladding of wall or ceiling with 1 m^2 fire-retardant panel with fire class B-s1, d0 and a reference lifespan of 30 years.

PCR

This environmental product declaration is based on the requirements of EN 15804:2012+A 2:2019.

Used Guarantee of Origin certificates

Foreground system:

The product is produced using electricity from renewable sources (hydropower), for which guarantees of origin have been purchased. The guarantees of origin cover 100% of the electricity consumption at the factory in 2022.

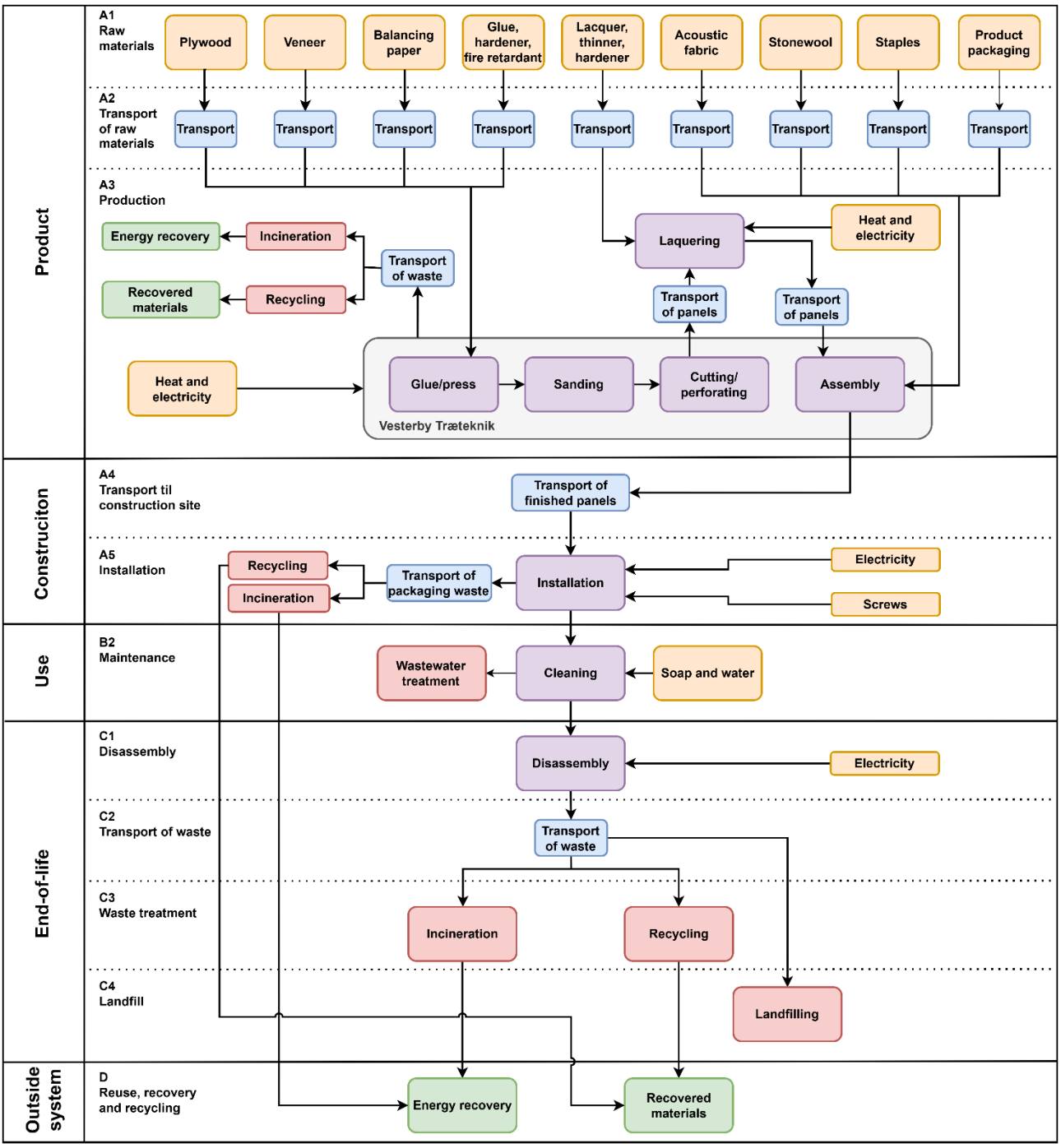
Electricity consumption for painting at subcontractors is modeled with the Danish residual mix for 2023.

The residual electricity is modeled with the average electricity mix for the geographies where each process in the foreground system takes place. This is because the ecoinvent v3.9.1 database does not support all processes with residual mix.

Background system:

Upstream and downstream processes are modeled with average electricity mixes.

Flowchart


Product
A1
Raw materials
Plywood
Veneer
Balancing paper
Glue, hardener, fire retardant
Lacquer, thinner, hardener
Acoustic fabric
Stonewool
Staples
Product packaging
A2
Transport of raw materials
Transport
A3
Production
Energy recovery
Incineration
Transport of waste
Recovered materials
Recycling
Laquering
Heat and electricity
Transport of panels
Transport of panels
Heat and electricity
Glue/press
Sanding
Cutting/ perforating
Assembly
Vesterby Træteknik
Construciton
A4
Transport til construction site
Transport of finished panels
A5
Installation
Recycling
Incineration
Transport of packaging waste
Installation
Electricity
Screws
Use
B2
Maintenance
Wastewater treatment
Cleaning
Soap and water
End-of-life
C1
Disassembly
Disassembly
Electricity
C2
Transport of waste
Transport of waste
C3
Waste treatment
Incineration
Recycling
C4
Landfill
Landfilling
Outside system
D
Reuse, recovery and recycling
Energy recovery
Recovered materials

System boundary

The EPD is based on a cradle-to-grave LCA, where all relevant and important processes are included. Modules B1, B3, B4, B5, B6 and B7 are not relevant for the declared products.

The general rules for omitting inputs and outputs in the LCA follow the provisions of EN 15804:2012+A2:2019, 6.3.6, where the total omission of input flow per module may not exceed 5% of energy consumption and mass and max 1% per unit process.

Product phase (A1-A3):

The product phase includes the procurement of all raw materials, products and energy, transport to the production site, packaging and waste - processing up to "end-of-waste" state - or final disposal.

A1 – Extraction and production of raw materials

Plywood, veneer, balancing paper, glue, varnish, acoustic fabric, rock wool and staples are produced by Vesterby Træteknik's suppliers in Denmark and Europe. Extraction, processing and manufacturing of all materials are included in this module.

A2 – Transport for manufacturing

All raw materials are delivered to Vesterby Træteknik by truck. Varnish is delivered directly to Vesterby Træteknik's subcontractor.

A3 – Manufacturing

Plywood, veneer and balancing paper are assembled with fire-retardant glue and pressed, sanded and perforated and/or cut to size. The perforated/cut panels are transported by truck for painting at Vesterby Træteknik's subcontractor and back. After painting, the panels are assembled with acoustic fabric, rock wool and staples.

Waste from production is sent to material recycling, biomass incineration and municipal waste incineration.

The LCA results are declared in aggregate form for the product phase, which means that the submodules A1, A2 and A3 are declared as one module: A1-A3.

Construction process phase (A4-A5):

A4 – Transport to the customer

A scenario for delivery in Denmark has been used. A transport distance of 250 km to the customer has been assumed, which is considered a conservative scenario.

A5 – Product assembly

Screws, rawl plugs and hand drill are included in this module for installing the product on the wall without adjusting the size. Product packaging is also disposed of in this module and the materials are sent for recycling and incineration based on statistics for Denmark from Eurostat (2023a).

The use phase (B1-B7):

B2 – Maintenance (cleaning)

Water and soap as well as wastewater drainage for cleaning the panel twice a year for 30 years are collected in this module.

End of life (C1-C4):

C1 – Disassembly

A hand screwdriver is included in this module for dismantling the product from the wall.

C2 – Waste transport

Average transport for waste management for Denmark is integrated into this module.

C3/C4 – Waste treatment and landfill

Recycling, energy recovery and landfill are used as waste management based on statistics for Denmark from Eurostat (2023b). The materials are processed in this module until they reach the end-of-waste criterion.

Reuse, recovery and recycling (D):

Waste materials sent for recycling replace virgin materials corresponding to the efficiency of the recycling process. Waste materials sent for incineration replace the production of average Danish electricity mix and district heating based on biomass.

LCA results

No. 1 Vesterby Firestop, Multipanels, 12 mm solid

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.79E+00	3.75E-01	2.11E+00	9.70E-01	6.21E-03	7.50E-02	1.56E+01	2.64E-03	-1.82E+00
GWP-fossil	[kg CO_2 eq.]	2.01E+01	3.75E-01	3.79E-01	3.66E-01	6.20E-03	7.49E-02	1.70E+00	2.63E-03	-1.82E+00
GWP-biogenic	[kg CO_2 eq.]	-1.57E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.74E-04	3.43E-04	6.04E-01	1.89E-05	3.60E-05	1.12E-03	1.55E-06	-4.13E-03
ODP	[kg CFC 11 eq.]	8.37E-07	8.03E-09	4.10E-09	1.89E-08	1.39E-10	1.60E-09	3.61E-08	7.31E-11	-4.72E-08
AP	[mol H^+ eq.]	3.82E-01	1.52E-03	1.79E-03	4.08E-03	3.06E-05	3.41E-04	1.31E-02	1.90E-05	-1.47E-02
EP-freshwater	[kg P eq.]	7.47E-03	2.62E-05	1.02E-04	6.50E-03	5.22E-06	5.26E-06	3.69E-04	2.10E-07	-7.08E-04
EP-marine	[kg N eq.]	7.41E-02	5.75E-04	4.45E-04	4.65E-03	6.04E-06	1.35E-04	2.67E-03	7.30E-06	-2.47E-03
EP-terrestrial	[mol N eq.]	1.47E+00	6.13E-03	3.65E-03	1.51E-02	6.94E-05	1.45E-03	3.04E-02	7.83E-05	-3.47E-02
POCP	[kg NMVOC eq.]	1.28E-01	2.30E-03	1.26E-03	2.49E-03	1.69E-05	5.06E-04	9.06E-03	2.72E-05	-1.08E-02
ADPm[1]	[kg Sb eq.]	1.05E-04	9.92E-07	4.54E-06	3.50E-06	1.36E-07	2.27E-07	7.82E-06	3.51E-09	-9.87E-06
ADPf[1]	[MJ]	3.06E+02	5.37E+00	4.97E+00	3.70E+00	9.99E-02	1.05E+00	1.72E+01	6.29E-02	-2.51E+01
WDP[1]	[m^3 world eq. deprived]	1.67E+01	2.60E-02	1.81E-01	5.87E-01	1.15E-03	4.65E-03	1.91E-01	2.78E-03	-4.76E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.53E-06	2.92E-08	2.17E-08	6.30E-08	1.91E-10	5.88E-09	7.66E-08	4.05E-10	-1.67E-07
IRP [2]	[kBq U235 eq .]	3.72E+00	6.78E-03	3.36E-02	2.10E-02	2.21E-03	1.46E-03	8.92E-02	3.99E-05	-2.52E-01
ETP- fw [1]	[CTUe]	2.96E+02	2.81E+00	1.52E+00	5.77E+01	2.18E-02	5.57E-01	5.14E+00	3.09E-02	-6.27E+00
HTP-c [1]	[CTUh]	7.47E-08	1.59E-10	1.15E-09	7.88E-10	4.43E-12	3.93E-11	4.93E-09	1.07E-12	-6.88E-09
HTP- nc [1]	[CTUh]	4.92E-07	5.01E-09	6.59E-09	2.39E-08	1.98E-10	1.05E-09	2.09E-08	3.05E-11	-3.08E-08
SQP [1]	-	3.02E+03	5.46E+00	1.80E+00	3.49E+01	1.36E-01	7.91E-01	5.85E+00	1.25E-01	-2.50E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.50E+02	7.87E-02	7.86E-01	1.71E+01	1.02E-01	1.67E-02	1.51E+00	5.33E-04	-4.83E+01
PERM	[MJ]	1.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.22E+02	7.87E-02	7.86E-01	1.71E+01	1.02E-01	1.67E-02	1.51E+00	5.33E-04	-5.02E+01
PENRE	[MJ]	2.97E+02	5.37E+00	4.97E+00	4.35E+00	9.99E-02	1.05E+00	1.72E+01	6.29E-02	-2.50E+01
PENRM	[MJ]	1.07E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.08E+02	5.37E+00	4.97E+00	4.35E+00	9.99E-02	1.05E+00	1.72E+01	6.29E-02	-2.51E+01
SM	[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
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
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
FW	[m^3]	-1.75E+00	-2.28E-03	-1.45E-02	-2.97E-02	-2.59E-05	-5.13E-04	-8.17E-02	4.66E-05	1.12E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	9.58E-04	1.77E-06	9.09E-06	5.66E-06	5.49E-07	3.82E-07	2.23E-05	1.01E-08	-6.73E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.80
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 2 Vesterby Firestop, Multipanels, 12 mm slats, 10-19% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	6.04E+00	3.46E-01	2.11E+00	8.73E-01	6.21E-03	6.92E-02	1.44E+01	2.64E-03	-1.77E+00
GWP-fossil	[kg CO_2 eq.]	1.92E+01	3.46E-01	3.79E-01	3.29E-01	6.20E-03	6.92E-02	1.67E+00	2.63E-03	-1.77E+00
GWP-biogenic	[kg CO_2 eq.]	-1.45E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.61E-04	3.43E-04	5.44E-01	1.89E-05	3.32E-05	1.05E-03	1.55E-06	-3.86E-03
ODP	[kg CFC 11 eq.]	8.17E-07	7.42E-09	4.10E-09	1.70E-08	1.39E-10	1.48E-09	3.57E-08	7.31E-11	-4.60E-08
AP	[mol H^+ eq.]	3.74E-01	1.40E-03	1.79E-03	3.67E-03	3.06E-05	3.15E-04	1.29E-02	1.90E-05	-1.44E-02
EP-freshwater	[kg P eq.]	7.18E-03	2.42E-05	1.02E-04	5.85E-03	5.22E-06	4.86E-06	3.62E-04	2.10E-07	-6.81E-04
EP-marine	[kg N eq.]	7.17E-02	5.31E-04	4.45E-04	4.19E-03	6.04E-06	1.25E-04	2.61E-03	7.30E-06	-2.36E-03
EP-terrestrial	[mol N eq.]	1.44E+00	5.67E-03	3.65E-03	1.35E-02	6.94E-05	1.34E-03	2.98E-02	7.83E-05	-3.34E-02
POCP	[kg NMVOC eq.]	1.20E-01	2.13E-03	1.26E-03	2.24E-03	1.69E-05	4.68E-04	8.87E-03	2.72E-05	-1.04E-02
ADPm[1]	[kg Sb eq.]	1.01E-04	9.16E-07	4.54E-06	3.15E-06	1.36E-07	2.10E-07	7.76E-06	3.51E-09	-9.67E-06
ADPf[1]	[MJ]	2.87E+02	4.96E+00	4.97E+00	3.33E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.43E+01
WDP[1]	[m^3 world eq. deprived]	1.57E+01	2.40E-02	1.81E-01	5.28E-01	1.15E-03	4.30E-03	1.91E-01	2.78E-03	-4.54E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.41E-06	2.69E-08	2.17E-08	5.67E-08	1.91E-10	5.43E-09	7.44E-08	4.05E-10	-1.58E-07
IRP [2]	[kBq U235 eq .]	3.43E+00	6.27E-03	3.36E-02	1.89E-02	2.21E-03	1.35E-03	8.75E-02	3.99E-05	-2.39E-01
ETP- fw [1]	[CTUe]	2.92E+02	2.60E+00	1.52E+00	5.20E+01	2.18E-02	5.15E-01	4.92E+00	3.09E-02	-6.01E+00
HTP-c [1]	[CTUh]	6.94E-08	1.47E-10	1.15E-09	7.09E-10	4.43E-12	3.63E-11	4.90E-09	1.07E-12	-6.74E-09
HTP- nc [1]	[CTUh]	4.74E-07	4.63E-09	6.59E-09	2.15E-08	1.98E-10	9.67E-10	2.02E-08	3.05E-11	-2.97E-08
SQP [1]	-	2.87E+03	5.04E+00	1.80E+00	3.14E+01	1.36E-01	7.31E-01	5.61E+00	1.25E-01	-2.32E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.33E+02	7.27E-02	7.86E-01	1.54E+01	1.02E-01	1.54E-02	1.49E+00	5.33E-04	-4.47E+01
PERM	[MJ]	1.58E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	3.91E+02	7.27E-02	7.86E-01	1.54E+01	1.02E-01	1.54E-02	1.49E+00	5.33E-04	-4.66E+01
PENRE	[MJ]	2.79E+02	4.96E+00	4.97E+00	3.91E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.42E+01
PENRM	[MJ]	9.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	2.88E+02	4.96E+00	4.97E+00	3.91E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.43E+01
SM	[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
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
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
FW	[m^3]	-1.64E+00	-2.10E-03	-1.45E-02	-2.67E-02	-2.59E-05	-4.74E-04	-8.08E-02	4.66E-05	1.09E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	8.83E-04	1.63E-06	9.09E-06	5.09E-06	5.49E-07	3.53E-07	2.18E-05	1.01E-08	-6.39E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.47
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 3 Vesterby Firestop, Multipanels, 12 mm slats, 20-29% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	6.29E+00	3.18E-01	2.11E+00	7.76E-01	6.21E-03	6.35E-02	1.32E+01	2.64E-03	-1.72E+00
GWP-fossil	[kg CO_2 eq.]	1.82E+01	3.18E-01	3.79E-01	2.93E-01	6.20E-03	6.35E-02	1.64E+00	2.63E-03	-1.72E+00
GWP-biogenic	[kg CO_2 eq.]	-1.33E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.16E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.48E-04	3.43E-04	4.83E-01	1.89E-05	3.05E-05	9.69E-04	1.55E-06	-3.58E-03
ODP	[kg CFC 11 eq.]	7.97E-07	6.81E-09	4.10E-09	1.51E-08	1.39E-10	1.36E-09	3.53E-08	7.31E-11	-4.48E-08
AP	[mol H^+ eq.]	3.66E-01	1.29E-03	1.79E-03	3.26E-03	3.06E-05	2.89E-04	1.27E-02	1.90E-05	-1.41E-02
EP-freshwater	[kg P eq.]	6.89E-03	2.22E-05	1.02E-04	5.20E-03	5.22E-06	4.46E-06	3.56E-04	2.10E-07	-6.54E-04
EP-marine	[kg N eq.]	6.92E-02	4.87E-04	4.45E-04	3.72E-03	6.04E-06	1.15E-04	2.55E-03	7.30E-06	-2.26E-03
EP-terrestrial	[mol N eq.]	1.42E+00	5.20E-03	3.65E-03	1.20E-02	6.94E-05	1.23E-03	2.92E-02	7.83E-05	-3.22E-02
POCP	[kg NMVOC eq.]	1.12E-01	1.95E-03	1.26E-03	1.99E-03	1.69E-05	4.29E-04	8.68E-03	2.72E-05	-1.00E-02
ADPm[1]	[kg Sb eq.]	9.67E-05	8.40E-07	4.54E-06	2.80E-06	1.36E-07	1.93E-07	7.69E-06	3.51E-09	-9.46E-06
ADPf[1]	[MJ]	2.67E+02	4.55E+00	4.97E+00	2.96E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.35E+01
WDP[1]	[m^3 world eq. deprived]	1.48E+01	2.21E-02	1.81E-01	4.70E-01	1.15E-03	3.95E-03	1.91E-01	2.78E-03	-4.32E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.29E-06	2.47E-08	2.17E-08	5.04E-08	1.91E-10	4.98E-09	7.22E-08	4.05E-10	-1.50E-07
IRP [2]	[kBq U235 eq .]	3.13E+00	5.75E-03	3.36E-02	1.68E-02	2.21E-03	1.24E-03	8.59E-02	3.99E-05	-2.27E-01
ETP- fw [1]	[CTUe]	2.87E+02	2.38E+00	1.52E+00	4.62E+01	2.18E-02	4.73E-01	4.70E+00	3.09E-02	-5.74E+00
HTP-c [1]	[CTUh]	6.41E-08	1.35E-10	1.15E-09	6.30E-10	4.43E-12	3.33E-11	4.88E-09	1.07E-12	-6.61E-09
HTP- nc [1]	[CTUh]	4.57E-07	4.24E-09	6.59E-09	1.91E-08	1.98E-10	8.87E-10	1.95E-08	3.05E-11	-2.86E-08
SQP [1]	-	2.71E+03	4.63E+00	1.80E+00	2.79E+01	1.36E-01	6.71E-01	5.38E+00	1.25E-01	-2.14E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.15E+02	6.67E-02	7.86E-01	1.37E+01	1.02E-01	1.41E-02	1.47E+00	5.33E-04	-4.10E+01
PERM	[MJ]	1.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	3.60E+02	6.67E-02	7.86E-01	1.37E+01	1.02E-01	1.41E-02	1.47E+00	5.33E-04	-4.30E+01
PENRE	[MJ]	2.60E+02	4.55E+00	4.97E+00	3.48E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.34E+01
PENRM	[MJ]	8.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	2.69E+02	4.55E+00	4.97E+00	3.48E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.35E+01
SM	[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
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
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
FW	[^{m3}]	-1.53E+00	-1.93E-03	-1.45E-02	-2.37E-02	-2.59E-05	-4.35E-04	-7.98E-02	4.66E-05	1.06E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	8.08E-04	1.50E-06	9.09E-06	4.53E-06	5.49E-07	3.24E-07	2.14E-05	1.01E-08	-6.06E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.14
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 4 Vesterby Firestop, Multipanels, 12 mm slats, 30-40% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	6.54E+00	2.89E-01	2.11E+00	6.79E-01	6.21E-03	5.78E-02	1.19E+01	2.64E-03	-1.67E+00
GWP-fossil	[kg CO_2 eq.]	1.72E+01	2.89E-01	3.79E-01	2.56E-01	6.20E-03	5.78E-02	1.61E+00	2.63E-03	-1.67E+00
GWP-biogenic	[kg CO_2 eq.]	-1.21E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.34E-04	3.43E-04	4.23E-01	1.89E-05	2.78E-05	8.92E-04	1.55E-06	-3.30E-03
ODP	[kg CFC 11 eq.]	7.77E-07	6.20E-09	4.10E-09	1.33E-08	1.39E-10	1.24E-09	3.49E-08	7.31E-11	-4.36E-08
AP	[mol H^+ eq.]	3.58E-01	1.17E-03	1.79E-03	2.86E-03	3.06E-05	2.63E-04	1.26E-02	1.90E-05	-1.37E-02
EP-freshwater	[kg P eq.]	6.60E-03	2.02E-05	1.02E-04	4.55E-03	5.22E-06	4.06E-06	3.49E-04	2.10E-07	-6.28E-04
EP-marine	[kg N eq.]	6.68E-02	4.43E-04	4.45E-04	3.26E-03	6.04E-06	1.04E-04	2.49E-03	7.30E-06	-2.15E-03
EP-terrestrial	[mol N eq.]	1.39E+00	4.73E-03	3.65E-03	1.05E-02	6.94E-05	1.12E-03	2.86E-02	7.83E-05	-3.09E-02
POCP	[kg NMVOC eq.]	1.03E-01	1.78E-03	1.26E-03	1.74E-03	1.69E-05	3.91E-04	8.49E-03	2.72E-05	-9.66E-03
ADPm[1]	[kg Sb eq.]	9.25E-05	7.65E-07	4.54E-06	2.45E-06	1.36E-07	1.76E-07	7.62E-06	3.51E-09	-9.25E-06
ADPf[1]	[MJ]	2.47E+02	4.14E+00	4.97E+00	2.59E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.27E+01
WDP[1]	[m^3 world eq. deprived]	1.38E+01	2.01E-02	1.81E-01	4.11E-01	1.15E-03	3.59E-03	1.91E-01	2.78E-03	-4.10E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.17E-06	2.25E-08	2.17E-08	4.41E-08	1.91E-10	4.54E-09	7.01E-08	4.05E-10	-1.41E-07
IRP [2]	[kBq U235 eq .]	2.84E+00	5.23E-03	3.36E-02	1.47E-02	2.21E-03	1.13E-03	8.42E-02	3.99E-05	-2.14E-01
ETP- fw [1]	[CTUe]	2.82E+02	2.17E+00	1.52E+00	4.04E+01	2.18E-02	4.30E-01	4.48E+00	3.09E-02	-5.48E+00
HTP-c [1]	[CTUh]	5.88E-08	1.23E-10	1.15E-09	5.51E-10	4.43E-12	3.03E-11	4.85E-09	1.07E-12	-6.47E-09
HTP- nc [1]	[CTUh]	4.39E-07	3.86E-09	6.59E-09	1.67E-08	1.98E-10	8.07E-10	1.88E-08	3.05E-11	-2.75E-08
SQP [1]	-	2.56E+03	4.21E+00	1.80E+00	2.44E+01	1.36E-01	6.11E-01	5.15E+00	1.25E-01	-1.95E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	1.98E+02	6.07E-02	7.86E-01	1.20E+01	1.02E-01	1.29E-02	1.45E+00	5.33E-04	-3.74E+01
PERM	[MJ]	1.31E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	3.28E+02	6.07E-02	7.86E-01	1.20E+01	1.02E-01	1.29E-02	1.45E+00	5.33E-04	-3.93E+01
PENRE	[MJ]	2.42E+02	4.14E+00	4.97E+00	3.04E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.25E+01
PENRM	[MJ]	7.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	2.49E+02	4.14E+00	4.97E+00	3.04E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.27E+01
SM	[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
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
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
FW	[^{m3}]	-1.41E+00	-1.75E-03	-1.45E-02	-2.08E-02	-2.59E-05	-3.96E-04	-7.89E-02	4.66E-05	1.03E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	7.33E-04	1.36E-06	9.09E-06	3.96E-06	5.49E-07	2.95E-07	2.10E-05	1.01E-08	-5.73E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	2.81
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 5 Vesterby Firestop, Multipanels, 12 mm perforated, 10-19% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.68E+00	3.46E-01	2.11E+00	8.73E-01	6.21E-03	6.92E-02	1.56E+01	2.64E-03	-1.77E+00
GWP-fossil	[kg CO_2 eq.]	2.00E+01	3.46E-01	3.79E-01	3.29E-01	6.20E-03	6.92E-02	1.67E+00	2.63E-03	-1.77E+00
GWP-biogenic	[kg CO_2 eq.]	-1.57E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.61E-04	3.43E-04	5.44E-01	1.89E-05	3.32E-05	1.05E-03	1.55E-06	-3.86E-03
ODP	[kg CFC 11 eq.]	8.35E-07	7.42E-09	4.10E-09	1.70E-08	1.39E-10	1.48E-09	3.57E-08	7.31E-11	-4.60E-08
AP	[mol H^+ eq.]	3.82E-01	1.40E-03	1.79E-03	3.67E-03	3.06E-05	3.15E-04	1.29E-02	1.90E-05	-1.44E-02
EP-freshwater	[kg P eq.]	7.43E-03	2.42E-05	1.02E-04	5.85E-03	5.22E-06	4.86E-06	3.62E-04	2.10E-07	-6.81E-04
EP-marine	[kg N eq.]	7.40E-02	5.31E-04	4.45E-04	4.19E-03	6.04E-06	1.25E-04	2.61E-03	7.30E-06	-2.36E-03
EP-terrestrial	[mol N eq.]	1.47E+00	5.67E-03	3.65E-03	1.35E-02	6.94E-05	1.34E-03	2.98E-02	7.83E-05	-3.34E-02
POCP	[kg NMVOC eq.]	1.28E-01	2.13E-03	1.26E-03	2.24E-03	1.69E-05	4.68E-04	8.87E-03	2.72E-05	-1.04E-02
ADPm[1]	[kg Sb eq.]	1.05E-04	9.16E-07	4.54E-06	3.15E-06	1.36E-07	2.10E-07	7.76E-06	3.51E-09	-9.67E-06
ADPf[1]	[MJ]	3.04E+02	4.96E+00	4.97E+00	3.33E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.43E+01
WDP[1]	[m^3 world eq. deprived]	1.66E+01	2.40E-02	1.81E-01	5.28E-01	1.15E-03	4.30E-03	1.91E-01	2.78E-03	-4.54E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.53E-06	2.69E-08	2.17E-08	5.67E-08	1.91E-10	5.43E-09	7.44E-08	4.05E-10	-1.58E-07
IRP [2]	[kBq U235 eq .]	3.71E+00	6.27E-03	3.36E-02	1.89E-02	2.21E-03	1.35E-03	8.75E-02	3.99E-05	-2.39E-01
ETP- fw [1]	[CTUe]	2.96E+02	2.60E+00	1.52E+00	5.20E+01	2.18E-02	5.15E-01	4.92E+00	3.09E-02	-6.01E+00
HTP-c [1]	[CTUh]	7.46E-08	1.47E-10	1.15E-09	7.09E-10	4.43E-12	3.63E-11	4.90E-09	1.07E-12	-6.74E-09
HTP- nc [1]	[CTUh]	4.91E-07	4.63E-09	6.59E-09	2.15E-08	1.98E-10	9.67E-10	2.02E-08	3.05E-11	-2.97E-08
SQP [1]	-	3.02E+03	5.04E+00	1.80E+00	3.14E+01	1.36E-01	7.31E-01	5.61E+00	1.25E-01	-2.32E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution, as the uncertainty on these is high or there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE CONSUMPTION PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.50E+02	7.27E-02	7.86E-01	1.54E+01	1.02E-01	1.54E-02	1.49E+00	5.33E-04	-4.47E+01
PERM	[MJ]	1.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.22E+02	7.27E-02	7.86E-01	1.54E+01	1.02E-01	1.54E-02	1.49E+00	5.33E-04	-4.66E+01
PENRE	[MJ]	2.96E+02	4.96E+00	4.97E+00	3.91E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.42E+01
PENRM	[MJ]	1.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.06E+02	4.96E+00	4.97E+00	3.91E+00	9.99E-02	9.74E-01	1.68E+01	6.29E-02	-2.43E+01
SM	[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
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
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
FW	[^{m3}]	-1.75E+00	-2.10E-03	-1.45E-02	-2.67E-02	-2.59E-05	-4.74E-04	-8.08E-02	4.66E-05	1.09E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	9.55E-04	1.63E-06	9.09E-06	5.09E-06	5.49E-07	3.53E-07	2.18E-05	1.01E-08	-6.39E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.47
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 6 Vesterby Firestop, Multipanels, 12 mm perforated, 20-29% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.56E+00	3.18E-01	2.11E+00	7.76E-01	6.21E-03	6.35E-02	1.56E+01	2.64E-03	-1.72E+00
GWP-fossil	[kg CO_2 eq.]	1.99E+01	3.18E-01	3.79E-01	2.93E-01	6.20E-03	6.35E-02	1.64E+00	2.63E-03	-1.72E+00
GWP-biogenic	[kg CO_2 eq.]	-1.57E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.48E-04	3.43E-04	4.83E-01	1.89E-05	3.05E-05	9.69E-04	1.55E-06	-3.58E-03
ODP	[kg CFC 11 eq.]	8.32E-07	6.81E-09	4.10E-09	1.51E-08	1.39E-10	1.36E-09	3.53E-08	7.31E-11	-4.48E-08
AP	[mol H^+ eq.]	3.81E-01	1.29E-03	1.79E-03	3.26E-03	3.06E-05	2.89E-04	1.27E-02	1.90E-05	-1.41E-02
EP-freshwater	[kg P eq.]	7.40E-03	2.22E-05	1.02E-04	5.20E-03	5.22E-06	4.46E-06	3.56E-04	2.10E-07	-6.54E-04
EP-marine	[kg N eq.]	7.39E-02	4.87E-04	4.45E-04	3.72E-03	6.04E-06	1.15E-04	2.55E-03	7.30E-06	-2.26E-03
EP-terrestrial	[mol N eq.]	1.47E+00	5.20E-03	3.65E-03	1.20E-02	6.94E-05	1.23E-03	2.92E-02	7.83E-05	-3.22E-02
POCP	[kg NMVOC eq.]	1.27E-01	1.95E-03	1.26E-03	1.99E-03	1.69E-05	4.29E-04	8.68E-03	2.72E-05	-1.00E-02
ADPm[1]	[kg Sb eq.]	1.04E-04	8.40E-07	4.54E-06	2.80E-06	1.36E-07	1.93E-07	7.69E-06	3.51E-09	-9.46E-06
ADPf[1]	[MJ]	3.02E+02	4.55E+00	4.97E+00	2.96E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.35E+01
WDP[1]	[m^3 world eq. deprived]	1.65E+01	2.21E-02	1.81E-01	4.70E-01	1.15E-03	3.95E-03	1.91E-01	2.78E-03	-4.32E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.52E-06	2.47E-08	2.17E-08	5.04E-08	1.91E-10	4.98E-09	7.22E-08	4.05E-10	-1.50E-07
IRP [2]	[kBq U235 eq .]	3.70E+00	5.75E-03	3.36E-02	1.68E-02	2.21E-03	1.24E-03	8.59E-02	3.99E-05	-2.27E-01
ETP- fw [1]	[CTUe]	2.95E+02	2.38E+00	1.52E+00	4.62E+01	2.18E-02	4.73E-01	4.70E+00	3.09E-02	-5.74E+00
HTP-c [1]	[CTUh]	7.45E-08	1.35E-10	1.15E-09	6.30E-10	4.43E-12	3.33E-11	4.88E-09	1.07E-12	-6.61E-09
HTP- nc [1]	[CTUh]	4.89E-07	4.24E-09	6.59E-09	1.91E-08	1.98E-10	8.87E-10	1.95E-08	3.05E-11	-2.86E-08
SQP [1]	-	3.02E+03	4.63E+00	1.80E+00	2.79E+01	1.36E-01	6.71E-01	5.38E+00	1.25E-01	-2.14E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.50E+02	6.67E-02	7.86E-01	1.37E+01	1.02E-01	1.41E-02	1.47E+00	5.33E-04	-4.10E+01
PERM	[MJ]	1.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.21E+02	6.67E-02	7.86E-01	1.37E+01	1.02E-01	1.41E-02	1.47E+00	5.33E-04	-4.30E+01
PENRE	[MJ]	2.94E+02	4.55E+00	4.97E+00	3.48E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.34E+01
PENRM	[MJ]	9.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.03E+02	4.55E+00	4.97E+00	3.48E+00	9.99E-02	8.93E-01	1.65E+01	6.29E-02	-2.35E+01
SM	[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
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
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
FW	[^{m3}]	-1.74E+00	-1.93E-03	-1.45E-02	-2.37E-02	-2.59E-05	-4.35E-04	-7.98E-02	4.66E-05	1.06E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.04E-03	1.91E-06	9.09E-06	5.09E-06	5.49E-07	4.12E-07	2.28E-05	1.01E-08	-7.11E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.14
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 7 Vesterby Firestop, Multipanels, 12 mm perforated, 30-40% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.44E+00	2.89E-01	2.11E+00	6.79E-01	6.21E-03	5.78E-02	1.56E+01	2.64E-03	-1.67E+00
GWP-fossil	[kg CO_2 eq.]	1.98E+01	2.89E-01	3.79E-01	2.56E-01	6.20E-03	5.78E-02	1.61E+00	2.63E-03	-1.67E+00
GWP-biogenic	[kg CO_2 eq.]	-1.57E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.34E-04	3.43E-04	4.23E-01	1.89E-05	2.78E-05	8.92E-04	1.55E-06	-3.30E-03
ODP	[kg CFC 11 eq.]	8.30E-07	6.20E-09	4.10E-09	1.33E-08	1.39E-10	1.24E-09	3.49E-08	7.31E-11	-4.36E-08
AP	[mol H^+ eq.]	3.81E-01	1.17E-03	1.79E-03	2.86E-03	3.06E-05	2.63E-04	1.26E-02	1.90E-05	-1.37E-02
EP-freshwater	[kg P eq.]	7.36E-03	2.02E-05	1.02E-04	4.55E-03	5.22E-06	4.06E-06	3.49E-04	2.10E-07	-6.28E-04
EP-marine	[kg N eq.]	7.38E-02	4.43E-04	4.45E-04	3.26E-03	6.04E-06	1.04E-04	2.49E-03	7.30E-06	-2.15E-03
EP-terrestrial	[mol N eq.]	1.47E+00	4.73E-03	3.65E-03	1.05E-02	6.94E-05	1.12E-03	2.86E-02	7.83E-05	-3.09E-02
POCP	[kg NMVOC eq.]	1.27E-01	1.78E-03	1.26E-03	1.74E-03	1.69E-05	3.91E-04	8.49E-03	2.72E-05	-9.66E-03
ADPm[1]	[kg Sb eq.]	1.03E-04	7.65E-07	4.54E-06	2.45E-06	1.36E-07	1.76E-07	7.62E-06	3.51E-09	-9.25E-06
ADPf[1]	[MJ]	2.99E+02	4.14E+00	4.97E+00	2.59E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.27E+01
WDP[1]	[m^3 world eq. deprived]	1.65E+01	2.01E-02	1.81E-01	4.11E-01	1.15E-03	3.59E-03	1.91E-01	2.78E-03	-4.10E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.52E-06	2.25E-08	2.17E-08	4.41E-08	1.91E-10	4.54E-09	7.01E-08	4.05E-10	-1.41E-07
IRP [2]	[kBq U235 eq .]	3.69E+00	5.23E-03	3.36E-02	1.47E-02	2.21E-03	1.13E-03	8.42E-02	3.99E-05	-2.14E-01
ETP- fw [1]	[CTUe]	2.95E+02	2.17E+00	1.52E+00	4.04E+01	2.18E-02	4.30E-01	4.48E+00	3.09E-02	-5.48E+00
HTP-c [1]	[CTUh]	7.44E-08	1.23E-10	1.15E-09	5.51E-10	4.43E-12	3.03E-11	4.85E-09	1.07E-12	-6.47E-09
HTP- nc [1]	[CTUh]	4.88E-07	3.86E-09	6.59E-09	1.67E-08	1.98E-10	8.07E-10	1.88E-08	3.05E-11	-2.75E-08
SQP [1]	-	3.02E+03	4.21E+00	1.80E+00	2.44E+01	1.36E-01	6.11E-01	5.15E+00	1.25E-01	-1.95E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.49E+02	6.07E-02	7.86E-01	1.20E+01	1.02E-01	1.29E-02	1.45E+00	5.33E-04	-3.74E+01
PERM	[MJ]	1.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.21E+02	6.07E-02	7.86E-01	1.20E+01	1.02E-01	1.29E-02	1.45E+00	5.33E-04	-3.93E+01
PENRE	[MJ]	2.92E+02	4.14E+00	4.97E+00	3.04E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.25E+01
PENRM	[MJ]	8.57E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.01E+02	4.14E+00	4.97E+00	3.04E+00	9.99E-02	8.13E-01	1.61E+01	6.29E-02	-2.27E+01
SM	[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
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
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
FW	[^{m3}]	-1.73E+00	-1.75E-03	-1.45E-02	-2.08E-02	-2.59E-05	-3.96E-04	-7.89E-02	4.66E-05	1.03E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	9.49E-04	1.75E-06	9.09E-06	4.53E-06	5.49E-07	3.77E-07	2.22E-05	1.01E-08	-6.70E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	2.81
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 8 Vesterby Firestop, Multipanels, 15 mm slats, 10-19% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.17E+00	4.05E-01	2.11E+00	8.73E-01	6.21E-03	8.10E-02	1.71E+01	2.64E-03	-1.88E+00
GWP-fossil	[kg CO_2 eq.]	2.09E+01	4.05E-01	3.79E-01	3.29E-01	6.20E-03	8.09E-02	1.73E+00	2.63E-03	-1.87E+00
GWP-biogenic	[kg CO_2 eq.]	-1.71E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.54E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.88E-04	3.43E-04	5.44E-01	1.89E-05	3.89E-05	1.20E-03	1.55E-06	-4.45E-03
ODP	[kg CFC 11 eq.]	8.52E-07	8.68E-09	4.10E-09	1.70E-08	1.39E-10	1.73E-09	3.65E-08	7.31E-11	-4.86E-08
AP	[mol H^+ eq.]	3.90E-01	1.64E-03	1.79E-03	3.67E-03	3.06E-05	3.68E-04	1.32E-02	1.90E-05	-1.51E-02
EP-freshwater	[kg P eq.]	7.66E-03	2.83E-05	1.02E-04	5.85E-03	5.22E-06	5.69E-06	3.76E-04	2.10E-07	-7.38E-04
EP-marine	[kg N eq.]	7.65E-02	6.21E-04	4.45E-04	4.19E-03	6.04E-06	1.46E-04	2.74E-03	7.30E-06	-2.59E-03
EP-terrestrial	[mol N eq.]	1.50E+00	6.63E-03	3.65E-03	1.35E-02	6.94E-05	1.57E-03	3.11E-02	7.83E-05	-3.61E-02
POCP	[kg NMVOC eq.]	1.36E-01	2.49E-03	1.26E-03	2.24E-03	1.69E-05	5.47E-04	9.26E-03	2.72E-05	-1.12E-02
ADPm[1]	[kg Sb eq.]	1.08E-04	1.07E-06	4.54E-06	3.15E-06	1.36E-07	2.46E-07	7.90E-06	3.51E-09	-1.01E-05
ADPf[1]	[MJ]	3.22E+02	5.81E+00	4.97E+00	3.33E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.61E+01
WDP[1]	[m^3 world eq. deprived]	1.75E+01	2.81E-02	1.81E-01	5.28E-01	1.15E-03	5.03E-03	1.91E-01	2.78E-03	-5.01E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.65E-06	3.15E-08	2.17E-08	5.67E-08	1.91E-10	6.35E-09	7.88E-08	4.05E-10	-1.77E-07
IRP [2]	[kBq U235 eq .]	4.05E+00	7.33E-03	3.36E-02	1.89E-02	2.21E-03	1.58E-03	9.09E-02	3.99E-05	-2.67E-01
ETP- fw [1]	[CTUe]	3.00E+02	3.04E+00	1.52E+00	5.20E+01	2.18E-02	6.02E-01	5.37E+00	3.09E-02	-6.58E+00
HTP-c [1]	[CTUh]	8.03E-08	1.72E-10	1.15E-09	7.09E-10	4.43E-12	4.24E-11	4.95E-09	1.07E-12	-7.03E-09
HTP- nc [1]	[CTUh]	5.08E-07	5.41E-09	6.59E-09	2.15E-08	1.98E-10	1.13E-09	2.17E-08	3.05E-11	-3.21E-08
SQP [1]	-	3.19E+03	5.90E+00	1.80E+00	3.14E+01	1.36E-01	8.55E-01	6.09E+00	1.25E-01	-2.72E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.69E+02	8.50E-02	7.86E-01	1.54E+01	1.02E-01	1.80E-02	1.53E+00	5.33E-04	-5.25E+01
PERM	[MJ]	1.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.57E+02	8.50E-02	7.86E-01	1.54E+01	1.02E-01	1.80E-02	1.53E+00	5.33E-04	-5.44E+01
PENRE	[MJ]	3.14E+02	5.81E+00	4.97E+00	3.91E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.59E+01
PENRM	[MJ]	9.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.24E+02	5.81E+00	4.97E+00	3.91E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.61E+01
SM	[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
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
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
FW	[m^3]	-1.85E+00	-2.46E-03	-1.45E-02	-2.67E-02	-2.59E-05	-5.54E-04	-8.26E-02	4.66E-05	1.16E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	8.56E-04	1.58E-06	9.09E-06	3.96E-06	5.49E-07	3.41E-07	2.17E-05	1.01E-08	-6.29E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	4.18
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 9 Vesterby Firestop, Multipanels, 15 mm slats, 20-29% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.51E+00	3.70E-01	2.11E+00	7.76E-01	6.21E-03	7.40E-02	1.55E+01	2.64E-03	-1.82E+00
GWP-fossil	[kg CO_2 eq.]	1.97E+01	3.70E-01	3.79E-01	2.93E-01	6.20E-03	7.39E-02	1.69E+00	2.63E-03	-1.81E+00
GWP-biogenic	[kg CO_2 eq.]	-1.56E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.72E-04	3.43E-04	4.83E-01	1.89E-05	3.55E-05	1.11E-03	1.55E-06	-4.11E-03
ODP	[kg CFC 11 eq.]	8.28E-07	7.93E-09	4.10E-09	1.51E-08	1.39E-10	1.58E-09	3.60E-08	7.31E-11	-4.71E-08
AP	[mol H^+ eq.]	3.80E-01	1.50E-03	1.79E-03	3.26E-03	3.06E-05	3.36E-04	1.30E-02	1.90E-05	-1.47E-02
EP-freshwater	[kg P eq.]	7.31E-03	2.58E-05	1.02E-04	5.20E-03	5.22E-06	5.19E-06	3.68E-04	2.10E-07	-7.05E-04
EP-marine	[kg N eq.]	7.36E-02	5.67E-04	4.45E-04	3.72E-03	6.04E-06	1.33E-04	2.66E-03	7.30E-06	-2.46E-03
EP-terrestrial	[mol N eq.]	1.46E+00	6.05E-03	3.65E-03	1.20E-02	6.94E-05	1.43E-03	3.03E-02	7.83E-05	-3.46E-02
POCP	[kg NMVOC eq.]	1.26E-01	2.27E-03	1.26E-03	1.99E-03	1.69E-05	4.99E-04	9.03E-03	2.72E-05	-1.07E-02
ADPm[1]	[kg Sb eq.]	1.03E-04	9.78E-07	4.54E-06	2.80E-06	1.36E-07	2.24E-07	7.81E-06	3.51E-09	-9.86E-06
ADPf[1]	[MJ]	2.99E+02	5.30E+00	4.97E+00	2.96E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.51E+01
WDP[1]	[m^3 world eq. deprived]	1.63E+01	2.57E-02	1.81E-01	4.70E-01	1.15E-03	4.59E-03	1.91E-01	2.78E-03	-4.74E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.51E-06	2.88E-08	2.17E-08	5.04E-08	1.91E-10	5.80E-09	7.62E-08	4.05E-10	-1.66E-07
IRP [2]	[kBq U235 eq .]	3.68E+00	6.69E-03	3.36E-02	1.68E-02	2.21E-03	1.44E-03	8.89E-02	3.99E-05	-2.51E-01
ETP- fw [1]	[CTUe]	2.95E+02	2.78E+00	1.52E+00	4.62E+01	2.18E-02	5.50E-01	5.10E+00	3.09E-02	-6.25E+00
HTP-c [1]	[CTUh]	7.38E-08	1.57E-10	1.15E-09	6.30E-10	4.43E-12	3.88E-11	4.92E-09	1.07E-12	-6.86E-09
HTP- nc [1]	[CTUh]	4.87E-07	4.94E-09	6.59E-09	1.91E-08	1.98E-10	1.03E-09	2.08E-08	3.05E-11	-3.08E-08
SQP [1]	-	3.00E+03	5.39E+00	1.80E+00	2.79E+01	1.36E-01	7.81E-01	5.81E+00	1.25E-01	-2.49E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.48E+02	7.76E-02	7.86E-01	1.37E+01	1.02E-01	1.65E-02	1.50E+00	5.33E-04	-4.80E+01
PERM	[MJ]	1.71E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.18E+02	7.76E-02	7.86E-01	1.37E+01	1.02E-01	1.65E-02	1.50E+00	5.33E-04	-4.99E+01
PENRE	[MJ]	2.92E+02	5.30E+00	4.97E+00	3.48E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.49E+01
PENRM	[MJ]	8.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.01E+02	5.30E+00	4.97E+00	3.48E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.51E+01
SM	[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
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
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
FW	[m^3]	-1.71E+00	-2.25E-03	-1.45E-02	-2.37E-02	-2.59E-05	-5.06E-04	-8.15E-02	4.66E-05	1.12E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.13E-03	1.91E-06	9.09E-06	5.09E-06	5.49E-07	4.12E-07	2.28E-05	1.01E-08	-7.11E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.77
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 10 Vesterby Firestop, Multipanels, 15 mm slats, 30-40% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	5.86E+00	3.35E-01	2.11E+00	6.79E-01	6.21E-03	6.70E-02	1.40E+01	2.64E-03	-1.76E+00
GWP-fossil	[kg CO_2 eq.]	1.86E+01	3.35E-01	3.79E-01	2.56E-01	6.20E-03	6.69E-02	1.66E+00	2.63E-03	-1.75E+00
GWP-biogenic	[kg CO_2 eq.]	-1.41E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.35E+00	1.56E-04	3.43E-04	4.23E-01	1.89E-05	3.21E-05	1.02E-03	1.55E-06	-3.77E-03
ODP	[kg CFC 11 eq.]	8.04E-07	7.17E-09	4.10E-09	1.33E-08	1.39E-10	1.43E-09	3.55E-08	7.31E-11	-4.56E-08
AP	[mol H^+ eq.]	3.71E-01	1.35E-03	1.79E-03	2.86E-03	3.06E-05	3.05E-04	1.28E-02	1.90E-05	-1.43E-02
EP-freshwater	[kg P eq.]	6.97E-03	2.34E-05	1.02E-04	4.55E-03	5.22E-06	4.70E-06	3.60E-04	2.10E-07	-6.72E-04
EP-marine	[kg N eq.]	7.06E-02	5.14E-04	4.45E-04	3.26E-03	6.04E-06	1.21E-04	2.59E-03	7.30E-06	-2.33E-03
EP-terrestrial	[mol N eq.]	1.43E+00	5.48E-03	3.65E-03	1.05E-02	6.94E-05	1.29E-03	2.95E-02	7.83E-05	-3.30E-02
POCP	[kg NMVOC eq.]	1.16E-01	2.06E-03	1.26E-03	1.74E-03	1.69E-05	4.52E-04	8.80E-03	2.72E-05	-1.03E-02
ADPm[1]	[kg Sb eq.]	9.80E-05	8.86E-07	4.54E-06	2.45E-06	1.36E-07	2.03E-07	7.73E-06	3.51E-09	-9.60E-06
ADPf[1]	[MJ]	2.75E+02	4.80E+00	4.97E+00	2.59E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.41E+01
WDP[1]	[m^3 world eq. deprived]	1.52E+01	2.32E-02	1.81E-01	4.11E-01	1.15E-03	4.16E-03	1.91E-01	2.78E-03	-4.47E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.36E-06	2.61E-08	2.17E-08	4.41E-08	1.91E-10	5.25E-09	7.35E-08	4.05E-10	-1.56E-07
IRP [2]	[kBq U235 eq .]	3.32E+00	6.06E-03	3.36E-02	1.47E-02	2.21E-03	1.30E-03	8.69E-02	3.99E-05	-2.35E-01
ETP- fw [1]	[CTUe]	2.89E+02	2.51E+00	1.52E+00	4.04E+01	2.18E-02	4.98E-01	4.83E+00	3.09E-02	-5.92E+00
HTP-c [1]	[CTUh]	6.73E-08	1.42E-10	1.15E-09	5.51E-10	4.43E-12	3.51E-11	4.89E-09	1.07E-12	-6.70E-09
HTP- nc [1]	[CTUh]	4.65E-07	4.47E-09	6.59E-09	1.67E-08	1.98E-10	9.35E-10	2.00E-08	3.05E-11	-2.94E-08
SQP [1]	-	2.81E+03	4.87E+00	1.80E+00	2.44E+01	1.36E-01	7.07E-01	5.52E+00	1.25E-01	-2.26E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.26E+02	7.03E-02	7.86E-01	1.20E+01	1.02E-01	1.49E-02	1.48E+00	5.33E-04	-4.35E+01
PERM	[MJ]	1.54E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	3.80E+02	7.03E-02	7.86E-01	1.20E+01	1.02E-01	1.49E-02	1.48E+00	5.33E-04	-4.54E+01
PENRE	[MJ]	2.69E+02	4.80E+00	4.97E+00	3.04E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.39E+01
PENRM	[MJ]	7.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	2.77E+02	4.80E+00	4.97E+00	3.04E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.41E+01
SM	[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
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
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
FW	[m^3]	-1.58E+00	-2.03E-03	-1.45E-02	-2.08E-02	-2.59E-05	-4.58E-04	-8.04E-02	4.66E-05	1.08E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.13E-03	1.75E-06	9.09E-06	4.53E-06	5.49E-07	3.77E-07	2.22E-05	1.01E-08	-6.70E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.36
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 11 Vesterby Firestop, Multipanels, 15 mm perforated, 10-19% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	4.70E+00	4.05E-01	2.11E+00	8.73E-01	6.21E-03	8.10E-02	1.86E+01	2.64E-03	-1.88E+00
GWP-fossil	[kg CO_2 eq.]	2.19E+01	4.05E-01	3.79E-01	3.29E-01	6.20E-03	8.09E-02	1.73E+00	2.63E-03	-1.87E+00
GWP-biogenic	[kg CO_2 eq.]	-1.86E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.88E-04	3.43E-04	5.44E-01	1.89E-05	3.89E-05	1.20E-03	1.55E-06	-4.45E-03
ODP	[kg CFC 11 eq.]	8.73E-07	8.68E-09	4.10E-09	1.70E-08	1.39E-10	1.73E-09	3.65E-08	7.31E-11	-4.86E-08
AP	[mol H^+ eq.]	3.99E-01	1.64E-03	1.79E-03	3.67E-03	3.06E-05	3.68E-04	1.32E-02	1.90E-05	-1.51E-02
EP-freshwater	[kg P eq.]	7.97E-03	2.83E-05	1.02E-04	5.85E-03	5.22E-06	5.69E-06	3.76E-04	2.10E-07	-7.38E-04
EP-marine	[kg N eq.]	7.94E-02	6.21E-04	4.45E-04	4.19E-03	6.04E-06	1.46E-04	2.74E-03	7.30E-06	-2.59E-03
EP-terrestrial	[mol N eq.]	1.53E+00	6.63E-03	3.65E-03	1.35E-02	6.94E-05	1.57E-03	3.11E-02	7.83E-05	-3.61E-02
POCP	[kg NMVOC eq.]	1.46E-01	2.49E-03	1.26E-03	2.24E-03	1.69E-05	5.47E-04	9.26E-03	2.72E-05	-1.12E-02
ADPm[1]	[kg Sb eq.]	1.12E-04	1.07E-06	4.54E-06	3.15E-06	1.36E-07	2.46E-07	7.90E-06	3.51E-09	-1.01E-05
ADPf[1]	[MJ]	3.44E+02	5.81E+00	4.97E+00	3.33E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.61E+01
WDP[1]	[m^3 world eq. deprived]	1.86E+01	2.81E-02	1.81E-01	5.28E-01	1.15E-03	5.03E-03	1.91E-01	2.78E-03	-5.01E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.80E-06	3.15E-08	2.17E-08	5.67E-08	1.91E-10	6.35E-09	7.88E-08	4.05E-10	-1.77E-07
IRP [2]	[kBq U235 eq .]	4.40E+00	7.33E-03	3.36E-02	1.89E-02	2.21E-03	1.58E-03	9.09E-02	3.99E-05	-2.67E-01
ETP- fw [1]	[CTUe]	3.05E+02	3.04E+00	1.52E+00	5.20E+01	2.18E-02	6.02E-01	5.37E+00	3.09E-02	-6.58E+00
HTP-c [1]	[CTUh]	8.67E-08	1.72E-10	1.15E-09	7.09E-10	4.43E-12	4.24E-11	4.95E-09	1.07E-12	-7.03E-09
HTP- nc [1]	[CTUh]	5.28E-07	5.41E-09	6.59E-09	2.15E-08	1.98E-10	1.13E-09	2.17E-08	3.05E-11	-3.21E-08
SQP [1]	-	3.38E+03	5.90E+00	1.80E+00	3.14E+01	1.36E-01	8.55E-01	6.09E+00	1.25E-01	-2.72E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.91E+02	8.50E-02	7.86E-01	1.54E+01	1.02E-01	1.80E-02	1.53E+00	5.33E-04	-5.25E+01
PERM	[MJ]	2.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.95E+02	8.50E-02	7.86E-01	1.54E+01	1.02E-01	1.80E-02	1.53E+00	5.33E-04	-5.44E+01
PENRE	[MJ]	3.35E+02	5.81E+00	4.97E+00	3.91E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.59E+01
PENRM	[MJ]	1.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.45E+02	5.81E+00	4.97E+00	3.91E+00	9.99E-02	1.14E+00	1.76E+01	6.29E-02	-2.61E+01
SM	[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
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
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
FW	[^{m3}]	-1.98E+00	-2.46E-03	-1.45E-02	-2.67E-02	-2.59E-05	-5.54E-04	-8.26E-02	4.66E-05	1.16E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.13E-03	1.58E-06	9.09E-06	3.96E-06	5.49E-07	3.41E-07	2.17E-05	1.01E-08	-6.29E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	4.18
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 12 Vesterby Firestop, Multipanels, 15 mm perforated, 20-29% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	4.58E+00	3.70E-01	2.11E+00	7.76E-01	6.21E-03	7.40E-02	1.85E+01	2.64E-03	-1.82E+00
GWP-fossil	[kg CO_2 eq.]	2.18E+01	3.70E-01	3.79E-01	2.93E-01	6.20E-03	7.39E-02	1.69E+00	2.63E-03	-1.81E+00
GWP-biogenic	[kg CO_2 eq.]	-1.86E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.72E-04	3.43E-04	4.83E-01	1.89E-05	3.55E-05	1.11E-03	1.55E-06	-4.11E-03
ODP	[kg CFC 11 eq.]	8.71E-07	7.93E-09	4.10E-09	1.51E-08	1.39E-10	1.58E-09	3.60E-08	7.31E-11	-4.71E-08
AP	[mol H^+ eq.]	3.99E-01	1.50E-03	1.79E-03	3.26E-03	3.06E-05	3.36E-04	1.30E-02	1.90E-05	-1.47E-02
EP-freshwater	[kg P eq.]	7.93E-03	2.58E-05	1.02E-04	5.20E-03	5.22E-06	5.19E-06	3.68E-04	2.10E-07	-7.05E-04
EP-marine	[kg N eq.]	7.93E-02	5.67E-04	4.45E-04	3.72E-03	6.04E-06	1.33E-04	2.66E-03	7.30E-06	-2.46E-03
EP-terrestrial	[mol N eq.]	1.53E+00	6.05E-03	3.65E-03	1.20E-02	6.94E-05	1.43E-03	3.03E-02	7.83E-05	-3.46E-02
POCP	[kg NMVOC eq.]	1.46E-01	2.27E-03	1.26E-03	1.99E-03	1.69E-05	4.99E-04	9.03E-03	2.72E-05	-1.07E-02
ADPm[1]	[kg Sb eq.]	1.12E-04	9.78E-07	4.54E-06	2.80E-06	1.36E-07	2.24E-07	7.81E-06	3.51E-09	-9.86E-06
ADPf[1]	[MJ]	3.41E+02	5.30E+00	4.97E+00	2.96E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.51E+01
WDP[1]	[m^3 world eq. deprived]	1.85E+01	2.57E-02	1.81E-01	4.70E-01	1.15E-03	4.59E-03	1.91E-01	2.78E-03	-4.74E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.79E-06	2.88E-08	2.17E-08	5.04E-08	1.91E-10	5.80E-09	7.62E-08	4.05E-10	-1.66E-07
IRP [2]	[kBq U235 eq .]	4.39E+00	6.69E-03	3.36E-02	1.68E-02	2.21E-03	1.44E-03	8.89E-02	3.99E-05	-2.51E-01
ETP- fw [1]	[CTUe]	3.05E+02	2.78E+00	1.52E+00	4.62E+01	2.18E-02	5.50E-01	5.10E+00	3.09E-02	-6.25E+00
HTP-c [1]	[CTUh]	8.66E-08	1.57E-10	1.15E-09	6.30E-10	4.43E-12	3.88E-11	4.92E-09	1.07E-12	-6.86E-09
HTP- nc [1]	[CTUh]	5.27E-07	4.94E-09	6.59E-09	1.91E-08	1.98E-10	1.03E-09	2.08E-08	3.05E-11	-3.08E-08
SQP [1]	-	3.38E+03	5.39E+00	1.80E+00	2.79E+01	1.36E-01	7.81E-01	5.81E+00	1.25E-01	-2.49E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.90E+02	7.76E-02	7.86E-01	1.37E+01	1.02E-01	1.65E-02	1.50E+00	5.33E-04	-4.80E+01
PERM	[MJ]	2.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.95E+02	7.76E-02	7.86E-01	1.37E+01	1.02E-01	1.65E-02	1.50E+00	5.33E-04	-4.99E+01
PENRE	[MJ]	3.34E+02	5.30E+00	4.97E+00	3.48E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.49E+01
PENRM	[MJ]	9.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.43E+02	5.30E+00	4.97E+00	3.48E+00	9.99E-02	1.04E+00	1.71E+01	6.29E-02	-2.51E+01
SM	[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
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
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
FW	[m^3]	-1.97E+00	-2.25E-03	-1.45E-02	-2.37E-02	-2.59E-05	-5.06E-04	-8.15E-02	4.66E-05	1.12E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.36E-03	2.47E-06	9.09E-06	5.09E-06	5.49E-07	5.32E-07	2.46E-05	1.01E-08	-8.55E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.77
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 13 Vesterby Firestop, Multipanels, 15 mm perforated, 30-40% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	4.46E+00	3.35E-01	2.11E+00	6.79E-01	6.21E-03	6.70E-02	1.85E+01	2.64E-03	-1.76E+00
GWP-fossil	[kg CO_2 eq.]	2.17E+01	3.35E-01	3.79E-01	2.56E-01	6.20E-03	6.69E-02	1.66E+00	2.63E-03	-1.75E+00
GWP-biogenic	[kg CO_2 eq.]	-1.86E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.56E-04	3.43E-04	4.23E-01	1.89E-05	3.21E-05	1.02E-03	1.55E-06	-3.77E-03
ODP	[kg CFC 11 eq.]	8.68E-07	7.17E-09	4.10E-09	1.33E-08	1.39E-10	1.43E-09	3.55E-08	7.31E-11	-4.56E-08
AP	[mol H^+ eq.]	3.98E-01	1.35E-03	1.79E-03	2.86E-03	3.06E-05	3.05E-04	1.28E-02	1.90E-05	-1.43E-02
EP-freshwater	[kg P eq.]	7.90E-03	2.34E-05	1.02E-04	4.55E-03	5.22E-06	4.70E-06	3.60E-04	2.10E-07	-6.72E-04
EP-marine	[kg N eq.]	7.92E-02	5.14E-04	4.45E-04	3.26E-03	6.04E-06	1.21E-04	2.59E-03	7.30E-06	-2.33E-03
EP-terrestrial	[mol N eq.]	1.52E+00	5.48E-03	3.65E-03	1.05E-02	6.94E-05	1.29E-03	2.95E-02	7.83E-05	-3.30E-02
POCP	[kg NMVOC eq.]	1.45E-01	2.06E-03	1.26E-03	1.74E-03	1.69E-05	4.52E-04	8.80E-03	2.72E-05	-1.03E-02
ADPm[1]	[kg Sb eq.]	1.11E-04	8.86E-07	4.54E-06	2.45E-06	1.36E-07	2.03E-07	7.73E-06	3.51E-09	-9.60E-06
ADPf[1]	[MJ]	3.39E+02	4.80E+00	4.97E+00	2.59E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.41E+01
WDP[1]	[m^3 world eq. deprived]	1.85E+01	2.32E-02	1.81E-01	4.11E-01	1.15E-03	4.16E-03	1.91E-01	2.78E-03	-4.47E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.79E-06	2.61E-08	2.17E-08	4.41E-08	1.91E-10	5.25E-09	7.35E-08	4.05E-10	-1.56E-07
IRP [2]	[kBq U235 eq .]	4.38E+00	6.06E-03	3.36E-02	1.47E-02	2.21E-03	1.30E-03	8.69E-02	3.99E-05	-2.35E-01
ETP- fw [1]	[CTUe]	3.04E+02	2.51E+00	1.52E+00	4.04E+01	2.18E-02	4.98E-01	4.83E+00	3.09E-02	-5.92E+00
HTP-c [1]	[CTUh]	8.66E-08	1.42E-10	1.15E-09	5.51E-10	4.43E-12	3.51E-11	4.89E-09	1.07E-12	-6.70E-09
HTP- nc [1]	[CTUh]	5.25E-07	4.47E-09	6.59E-09	1.67E-08	1.98E-10	9.35E-10	2.00E-08	3.05E-11	-2.94E-08
SQP [1]	-	3.38E+03	4.87E+00	1.80E+00	2.44E+01	1.36E-01	7.07E-01	5.52E+00	1.25E-01	-2.26E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.90E+02	7.03E-02	7.86E-01	1.20E+01	1.02E-01	1.49E-02	1.48E+00	5.33E-04	-4.35E+01
PERM	[MJ]	2.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.94E+02	7.03E-02	7.86E-01	1.20E+01	1.02E-01	1.49E-02	1.48E+00	5.33E-04	-4.54E+01
PENRE	[MJ]	3.32E+02	4.80E+00	4.97E+00	3.04E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.39E+01
PENRM	[MJ]	8.57E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.41E+02	4.80E+00	4.97E+00	3.04E+00	9.99E-02	9.41E-01	1.67E+01	6.29E-02	-2.41E+01
SM	[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
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
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
FW	[^{m3}]	-1.96E+00	-2.03E-03	-1.45E-02	-2.08E-02	-2.59E-05	-4.58E-04	-8.04E-02	4.66E-05	1.08E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.23E-03	2.24E-06	9.09E-06	4.53E-06	5.49E-07	4.83E-07	2.38E-05	1.01E-08	-7.97E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	3.36
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 14 Vesterby Firestop, Multipanels, 21 mm slats, 10-19% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	3.41E+00	5.23E-01	2.11E+00	8.73E-01	6.21E-03	1.04E-01	2.24E+01	2.64E-03	-2.09E+00
GWP-fossil	[kg CO_2 eq.]	2.43E+01	5.22E-01	3.79E-01	3.29E-01	6.20E-03	1.04E-01	1.84E+00	2.63E-03	-2.08E+00
GWP-biogenic	[kg CO_2 eq.]	-2.23E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.06E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.37E+00	2.43E-04	3.43E-04	5.44E-01	1.89E-05	5.01E-05	1.52E-03	1.55E-06	-5.65E-03
ODP	[kg CFC 11 eq.]	9.21E-07	1.12E-08	4.10E-09	1.70E-08	1.39E-10	2.23E-09	3.82E-08	7.31E-11	-5.38E-08
AP	[mol H^+ eq.]	4.22E-01	2.11E-03	1.79E-03	3.67E-03	3.06E-05	4.75E-04	1.39E-02	1.90E-05	-1.65E-02
EP-freshwater	[kg P eq.]	8.62E-03	3.65E-05	1.02E-04	5.85E-03	5.22E-06	7.33E-06	4.02E-04	2.10E-07	-8.53E-04
EP-marine	[kg N eq.]	8.63E-02	8.02E-04	4.45E-04	4.19E-03	6.04E-06	1.88E-04	2.98E-03	7.30E-06	-3.04E-03
EP-terrestrial	[mol N eq.]	1.60E+00	8.55E-03	3.65E-03	1.35E-02	6.94E-05	2.02E-03	3.36E-02	7.83E-05	-4.14E-02
POCP	[kg NMVOC eq.]	1.69E-01	3.21E-03	1.26E-03	2.24E-03	1.69E-05	7.05E-04	1.00E-02	2.72E-05	-1.27E-02
ADPm[1]	[kg Sb eq.]	1.22E-04	1.38E-06	4.54E-06	3.15E-06	1.36E-07	3.17E-07	8.18E-06	3.51E-09	-1.10E-05
ADPf[1]	[MJ]	3.94E+02	7.49E+00	4.97E+00	3.33E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.96E+01
WDP[1]	[m^3 world eq. deprived]	2.11E+01	3.63E-02	1.81E-01	5.28E-01	1.15E-03	6.48E-03	1.90E-01	2.78E-03	-5.96E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.15E-06	4.07E-08	2.17E-08	5.67E-08	1.91E-10	8.19E-09	8.77E-08	4.05E-10	-2.14E-07
IRP [2]	[kBq U235 eq .]	5.29E+00	9.46E-03	3.36E-02	1.89E-02	2.21E-03	2.03E-03	9.76E-02	3.99E-05	-3.22E-01
ETP- fw [1]	[CTUe]	3.17E+02	3.92E+00	1.52E+00	5.20E+01	2.18E-02	7.76E-01	6.28E+00	3.09E-02	-7.72E+00
HTP-c [1]	[CTUh]	1.02E-07	2.22E-10	1.15E-09	7.09E-10	4.43E-12	5.47E-11	5.05E-09	1.07E-12	-7.61E-09
HTP- nc [1]	[CTUh]	5.76E-07	6.98E-09	6.59E-09	2.15E-08	1.98E-10	1.46E-09	2.46E-08	3.05E-11	-3.70E-08
SQP [1]	-	3.84E+03	7.61E+00	1.80E+00	3.14E+01	1.36E-01	1.10E+00	7.05E+00	1.25E-01	-3.51E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.42E+02	1.10E-01	7.86E-01	1.54E+01	1.02E-01	2.32E-02	1.60E+00	5.33E-04	-6.81E+01
PERM	[MJ]	2.46E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	5.89E+02	1.10E-01	7.86E-01	1.54E+01	1.02E-01	2.32E-02	1.60E+00	5.33E-04	-7.00E+01
PENRE	[MJ]	3.86E+02	7.49E+00	4.97E+00	3.91E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.95E+01
PENRM	[MJ]	9.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.96E+02	7.49E+00	4.97E+00	3.91E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.96E+01
SM	[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
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
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
FW	[^{m3}]	-2.27E+00	-3.17E-03	-1.45E-02	-2.67E-02	-2.59E-05	-7.14E-04	-8.64E-02	4.66E-05	1.29E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.10E-03	2.01E-06	9.09E-06	3.96E-06	5.49E-07	4.34E-07	2.31E-05	1.01E-08	-7.40E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	5.60
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 15 Vesterby Firestop, Multipanels, 21 mm slats, 20-29% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	3.95E+00	4.75E-01	2.11E+00	7.76E-01	6.21E-03	9.48E-02	2.02E+01	2.64E-03	-2.00E+00
GWP-fossil	[kg CO_2 eq.]	2.28E+01	4.74E-01	3.79E-01	2.93E-01	6.20E-03	9.47E-02	1.79E+00	2.63E-03	-2.00E+00
GWP-biogenic	[kg CO_2 eq.]	-2.02E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.85E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	2.21E-04	3.43E-04	4.83E-01	1.89E-05	4.55E-05	1.39E-03	1.55E-06	-5.17E-03
ODP	[kg CFC 11 eq.]	8.89E-07	1.02E-08	4.10E-09	1.51E-08	1.39E-10	2.03E-09	3.75E-08	7.31E-11	-5.17E-08
AP	[mol H^+ eq.]	4.08E-01	1.92E-03	1.79E-03	3.26E-03	3.06E-05	4.31E-04	1.36E-02	1.90E-05	-1.59E-02
EP-freshwater	[kg P eq.]	8.17E-03	3.31E-05	1.02E-04	5.20E-03	5.22E-06	6.66E-06	3.91E-04	2.10E-07	-8.07E-04
EP-marine	[kg N eq.]	8.22E-02	7.28E-04	4.45E-04	3.72E-03	6.04E-06	1.71E-04	2.88E-03	7.30E-06	-2.86E-03
EP-terrestrial	[mol N eq.]	1.56E+00	7.76E-03	3.65E-03	1.20E-02	6.94E-05	1.83E-03	3.26E-02	7.83E-05	-3.93E-02
POCP	[kg NMVOC eq.]	1.56E-01	2.91E-03	1.26E-03	1.99E-03	1.69E-05	6.40E-04	9.72E-03	2.72E-05	-1.21E-02
ADPm[1]	[kg Sb eq.]	1.15E-04	1.25E-06	4.54E-06	2.80E-06	1.36E-07	2.88E-07	8.06E-06	3.51E-09	-1.06E-05
ADPf[1]	[MJ]	3.62E+02	6.80E+00	4.97E+00	2.96E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.82E+01
WDP[1]	[m^3 world eq. deprived]	1.95E+01	3.29E-02	1.81E-01	4.70E-01	1.15E-03	5.88E-03	1.90E-01	2.78E-03	-5.58E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.94E-06	3.69E-08	2.17E-08	5.04E-08	1.91E-10	7.43E-09	8.41E-08	4.05E-10	-1.99E-07
IRP [2]	[kBq U235 eq .]	4.79E+00	8.58E-03	3.36E-02	1.68E-02	2.21E-03	1.84E-03	9.49E-02	3.99E-05	-3.00E-01
ETP- fw [1]	[CTUe]	3.10E+02	3.56E+00	1.52E+00	4.62E+01	2.18E-02	7.05E-01	5.91E+00	3.09E-02	-7.27E+00
HTP-c [1]	[CTUh]	9.32E-08	2.01E-10	1.15E-09	6.30E-10	4.43E-12	4.97E-11	5.01E-09	1.07E-12	-7.38E-09
HTP- nc [1]	[CTUh]	5.47E-07	6.34E-09	6.59E-09	1.91E-08	1.98E-10	1.32E-09	2.34E-08	3.05E-11	-3.51E-08
SQP [1]	-	3.58E+03	6.91E+00	1.80E+00	2.79E+01	1.36E-01	1.00E+00	6.65E+00	1.25E-01	-3.19E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.13E+02	9.96E-02	7.86E-01	1.37E+01	1.02E-01	2.11E-02	1.57E+00	5.33E-04	-6.19E+01
PERM	[MJ]	2.23E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	5.36E+02	9.96E-02	7.86E-01	1.37E+01	1.02E-01	2.11E-02	1.57E+00	5.33E-04	-6.38E+01
PENRE	[MJ]	3.56E+02	6.80E+00	4.97E+00	3.48E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.80E+01
PENRM	[MJ]	8.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.64E+02	6.80E+00	4.97E+00	3.48E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.82E+01
SM	[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
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
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
FW	[m^3]	-2.09E+00	-2.88E-03	-1.45E-02	-2.37E-02	-2.59E-05	-6.48E-04	-8.49E-02	4.66E-05	1.24E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.48E-03	2.47E-06	9.09E-06	5.09E-06	5.49E-07	5.32E-07	2.46E-05	1.01E-08	-8.55E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	5.03
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 16 Vesterby Firestop, Multipanels, 21 mm slats, 30-40% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	4.50E+00	4.26E-01	2.11E+00	6.79E-01	6.21E-03	8.52E-02	1.81E+01	2.64E-03	-1.92E+00
GWP-fossil	[kg CO_2 eq.]	2.12E+01	4.26E-01	3.79E-01	2.56E-01	6.20E-03	8.51E-02	1.75E+00	2.63E-03	-1.91E+00
GWP-biogenic	[kg CO_2 eq.]	-1.82E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	1.64E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.36E+00	1.98E-04	3.43E-04	4.23E-01	1.89E-05	4.09E-05	1.26E-03	1.55E-06	-4.70E-03
ODP	[kg CFC 11 eq.]	8.58E-07	9.13E-09	4.10E-09	1.33E-08	1.39E-10	1.82E-09	3.68E-08	7.31E-11	-4.96E-08
AP	[mol H^+ eq.]	3.95E-01	1.72E-03	1.79E-03	2.86E-03	3.06E-05	3.87E-04	1.33E-02	1.90E-05	-1.54E-02
EP-freshwater	[kg P eq.]	7.72E-03	2.97E-05	1.02E-04	4.55E-03	5.22E-06	5.98E-06	3.80E-04	2.10E-07	-7.62E-04
EP-marine	[kg N eq.]	7.82E-02	6.54E-04	4.45E-04	3.26E-03	6.04E-06	1.54E-04	2.78E-03	7.30E-06	-2.68E-03
EP-terrestrial	[mol N eq.]	1.51E+00	6.97E-03	3.65E-03	1.05E-02	6.94E-05	1.65E-03	3.15E-02	7.83E-05	-3.72E-02
POCP	[kg NMVOC eq.]	1.42E-01	2.62E-03	1.26E-03	1.74E-03	1.69E-05	5.75E-04	9.40E-03	2.72E-05	-1.15E-02
ADPm[1]	[kg Sb eq.]	1.09E-04	1.13E-06	4.54E-06	2.45E-06	1.36E-07	2.58E-07	7.95E-06	3.51E-09	-1.03E-05
ADPf[1]	[MJ]	3.31E+02	6.11E+00	4.97E+00	2.59E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.68E+01
WDP[1]	[m^3 world eq. deprived]	1.80E+01	2.96E-02	1.81E-01	4.11E-01	1.15E-03	5.29E-03	1.90E-01	2.78E-03	-5.20E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	3.74E-06	3.32E-08	2.17E-08	4.41E-08	1.91E-10	6.68E-09	8.04E-08	4.05E-10	-1.85E-07
IRP [2]	[kBq U235 eq .]	4.29E+00	7.71E-03	3.36E-02	1.47E-02	2.21E-03	1.66E-03	9.21E-02	3.99E-05	-2.78E-01
ETP- fw [1]	[CTUe]	3.02E+02	3.20E+00	1.52E+00	4.04E+01	2.18E-02	6.33E-01	5.54E+00	3.09E-02	-6.81E+00
HTP-c [1]	[CTUh]	8.42E-08	1.81E-10	1.15E-09	5.51E-10	4.43E-12	4.47E-11	4.97E-09	1.07E-12	-7.15E-09
HTP- nc [1]	[CTUh]	5.18E-07	5.69E-09	6.59E-09	1.67E-08	1.98E-10	1.19E-09	2.22E-08	3.05E-11	-3.31E-08
SQP [1]	-	3.32E+03	6.20E+00	1.80E+00	2.44E+01	1.36E-01	8.99E-01	6.26E+00	1.25E-01	-2.88E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	2.83E+02	8.95E-02	7.86E-01	1.20E+01	1.02E-01	1.89E-02	1.54E+00	5.33E-04	-5.56E+01
PERM	[MJ]	2.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	4.82E+02	8.95E-02	7.86E-01	1.20E+01	1.02E-01	1.89E-02	1.54E+00	5.33E-04	-5.76E+01
PENRE	[MJ]	3.25E+02	6.11E+00	4.97E+00	3.04E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.66E+01
PENRM	[MJ]	7.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	3.33E+02	6.11E+00	4.97E+00	3.04E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.68E+01
SM	[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
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
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
FW	[^{m3}]	-1.90E+00	-2.59E-03	-1.45E-02	-2.08E-02	-2.59E-05	-5.83E-04	-8.33E-02	4.66E-05	1.18E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.48E-03	2.24E-06	9.09E-06	4.53E-06	5.49E-07	4.83E-07	2.38E-05	1.01E-08	-7.97E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	4.46
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 17 Vesterby Firestop, Multipanels, 21 mm perforated, 10-19% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	2.75E+00	5.23E-01	2.11E+00	8.73E-01	6.21E-03	1.04E-01	2.44E+01	2.64E-03	-2.09E+00
GWP-fossil	[kg CO_2 eq.]	2.57E+01	5.22E-01	3.79E-01	3.29E-01	6.20E-03	1.04E-01	1.84E+00	2.63E-03	-2.08E+00
GWP-biogenic	[kg CO_2 eq.]	-2.44E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.37E+00	2.43E-04	3.43E-04	5.44E-01	1.89E-05	5.01E-05	1.52E-03	1.55E-06	-5.65E-03
ODP	[kg CFC 11 eq.]	9.50E-07	1.12E-08	4.10E-09	1.70E-08	1.39E-10	2.23E-09	3.82E-08	7.31E-11	-5.38E-08
AP	[mol H^+ eq.]	4.35E-01	2.11E-03	1.79E-03	3.67E-03	3.06E-05	4.75E-04	1.39E-02	1.90E-05	-1.65E-02
EP-freshwater	[kg P eq.]	9.03E-03	3.65E-05	1.02E-04	5.85E-03	5.22E-06	7.33E-06	4.02E-04	2.10E-07	-8.53E-04
EP-marine	[kg N eq.]	9.02E-02	8.02E-04	4.45E-04	4.19E-03	6.04E-06	1.88E-04	2.98E-03	7.30E-06	-3.04E-03
EP-terrestrial	[mol N eq.]	1.65E+00	8.55E-03	3.65E-03	1.35E-02	6.94E-05	2.02E-03	3.36E-02	7.83E-05	-4.14E-02
POCP	[kg NMVOC eq.]	1.83E-01	3.21E-03	1.26E-03	2.24E-03	1.69E-05	7.05E-04	1.00E-02	2.72E-05	-1.27E-02
ADPm[1]	[kg Sb eq.]	1.28E-04	1.38E-06	4.54E-06	3.15E-06	1.36E-07	3.17E-07	8.18E-06	3.51E-09	-1.10E-05
ADPf[1]	[MJ]	4.23E+02	7.49E+00	4.97E+00	3.33E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.96E+01
WDP[1]	[m^3 world eq. deprived]	2.26E+01	3.63E-02	1.81E-01	5.28E-01	1.15E-03	6.48E-03	1.90E-01	2.78E-03	-5.96E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.35E-06	4.07E-08	2.17E-08	5.67E-08	1.91E-10	8.19E-09	8.77E-08	4.05E-10	-2.14E-07
IRP [2]	[kBq U235 eq .]	5.78E+00	9.46E-03	3.36E-02	1.89E-02	2.21E-03	2.03E-03	9.76E-02	3.99E-05	-3.22E-01
ETP- fw [1]	[CTUe]	3.24E+02	3.92E+00	1.52E+00	5.20E+01	2.18E-02	7.76E-01	6.28E+00	3.09E-02	-7.72E+00
HTP-c [1]	[CTUh]	1.11E-07	2.22E-10	1.15E-09	7.09E-10	4.43E-12	5.47E-11	5.05E-09	1.07E-12	-7.61E-09
HTP- nc [1]	[CTUh]	6.03E-07	6.98E-09	6.59E-09	2.15E-08	1.98E-10	1.46E-09	2.46E-08	3.05E-11	-3.70E-08
SQP [1]	-	4.10E+03	7.61E+00	1.80E+00	3.14E+01	1.36E-01	1.10E+00	7.05E+00	1.25E-01	-3.51E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.72E+02	1.10E-01	7.86E-01	1.54E+01	1.02E-01	2.32E-02	1.60E+00	5.33E-04	-6.81E+01
PERM	[MJ]	2.70E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	6.42E+02	1.10E-01	7.86E-01	1.54E+01	1.02E-01	2.32E-02	1.60E+00	5.33E-04	-7.00E+01
PENRE	[MJ]	4.15E+02	7.49E+00	4.97E+00	3.91E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.95E+01
PENRM	[MJ]	1.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	4.25E+02	7.49E+00	4.97E+00	3.91E+00	9.99E-02	1.47E+00	1.91E+01	6.29E-02	-2.96E+01
SM	[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
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
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
FW	[^{m3}]	-2.45E+00	-3.17E-03	-1.45E-02	-2.67E-02	-2.59E-05	-7.14E-04	-8.64E-02	4.66E-05	1.29E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.48E-03	2.01E-06	9.09E-06	3.96E-06	5.49E-07	4.34E-07	2.31E-05	1.01E-08	-7.40E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	5.60
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 18 Vesterby Firestop, Multipanels, 21 mm perforated, 20-29% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	2.63E+00	4.75E-01	2.11E+00	7.76E-01	6.21E-03	9.48E-02	2.44E+01	2.64E-03	-2.00E+00
GWP-fossil	[kg CO_2 eq.]	2.56E+01	4.74E-01	3.79E-01	2.93E-01	6.20E-03	9.47E-02	1.79E+00	2.63E-03	-2.00E+00
GWP-biogenic	[kg CO_2 eq.]	-2.44E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.37E+00	2.21E-04	3.43E-04	4.83E-01	1.89E-05	4.55E-05	1.39E-03	1.55E-06	-5.17E-03
ODP	[kg CFC 11 eq.]	9.47E-07	1.02E-08	4.10E-09	1.51E-08	1.39E-10	2.03E-09	3.75E-08	7.31E-11	-5.17E-08
AP	[mol H^+ eq.]	4.34E-01	1.92E-03	1.79E-03	3.26E-03	3.06E-05	4.31E-04	1.36E-02	1.90E-05	-1.59E-02
EP-freshwater	[kg P eq.]	9.00E-03	3.31E-05	1.02E-04	5.20E-03	5.22E-06	6.66E-06	3.91E-04	2.10E-07	-8.07E-04
EP-marine	[kg N eq.]	9.01E-02	7.28E-04	4.45E-04	3.72E-03	6.04E-06	1.71E-04	2.88E-03	7.30E-06	-2.86E-03
EP-terrestrial	[mol N eq.]	1.64E+00	7.76E-03	3.65E-03	1.20E-02	6.94E-05	1.83E-03	3.26E-02	7.83E-05	-3.93E-02
POCP	[kg NMVOC eq.]	1.82E-01	2.91E-03	1.26E-03	1.99E-03	1.69E-05	6.40E-04	9.72E-03	2.72E-05	-1.21E-02
ADPm[1]	[kg Sb eq.]	1.27E-04	1.25E-06	4.54E-06	2.80E-06	1.36E-07	2.88E-07	8.06E-06	3.51E-09	-1.06E-05
ADPf[1]	[MJ]	4.21E+02	6.80E+00	4.97E+00	2.96E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.82E+01
WDP[1]	[m^3 world eq. deprived]	2.25E+01	3.29E-02	1.81E-01	4.70E-01	1.15E-03	5.88E-03	1.90E-01	2.78E-03	-5.58E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.34E-06	3.69E-08	2.17E-08	5.04E-08	1.91E-10	7.43E-09	8.41E-08	4.05E-10	-1.99E-07
IRP [2]	[kBq U235 eq .]	5.77E+00	8.58E-03	3.36E-02	1.68E-02	2.21E-03	1.84E-03	9.49E-02	3.99E-05	-3.00E-01
ETP- fw [1]	[CTUe]	3.24E+02	3.56E+00	1.52E+00	4.62E+01	2.18E-02	7.05E-01	5.91E+00	3.09E-02	-7.27E+00
HTP-c [1]	[CTUh]	1.11E-07	2.01E-10	1.15E-09	6.30E-10	4.43E-12	4.97E-11	5.01E-09	1.07E-12	-7.38E-09
HTP- nc [1]	[CTUh]	6.02E-07	6.34E-09	6.59E-09	1.91E-08	1.98E-10	1.32E-09	2.34E-08	3.05E-11	-3.51E-08
SQP [1]	-	4.10E+03	6.91E+00	1.80E+00	2.79E+01	1.36E-01	1.00E+00	6.65E+00	1.25E-01	-3.19E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.72E+02	9.96E-02	7.86E-01	1.37E+01	1.02E-01	2.11E-02	1.57E+00	5.33E-04	-6.19E+01
PERM	[MJ]	2.70E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	6.41E+02	9.96E-02	7.86E-01	1.37E+01	1.02E-01	2.11E-02	1.57E+00	5.33E-04	-6.38E+01
PENRE	[MJ]	4.13E+02	6.80E+00	4.97E+00	3.48E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.80E+01
PENRM	[MJ]	9.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	4.22E+02	6.80E+00	4.97E+00	3.48E+00	9.99E-02	1.33E+00	1.85E+01	6.29E-02	-2.82E+01
SM	[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
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
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
FW	[^{m3}]	-2.44E+00	-2.88E-03	-1.45E-02	-2.37E-02	-2.59E-05	-6.48E-04	-8.49E-02	4.66E-05	1.24E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.48E-03	2.24E-06	9.09E-06	4.53E-06	5.49E-07	4.83E-07	2.38E-05	1.01E-08	-7.97E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	5.03
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 19 Vesterby Firestop, Multipanels, 21 mm perforated, 30-40% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	2.51E+00	4.26E-01	2.11E+00	6.79E-01	6.21E-03	8.52E-02	2.43E+01	2.64E-03	-1.92E+00
GWP-fossil	[kg CO_2 eq.]	2.55E+01	4.26E-01	3.79E-01	2.56E-01	6.20E-03	8.51E-02	1.75E+00	2.63E-03	-1.91E+00
GWP-biogenic	[kg CO_2 eq.]	-2.44E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.37E+00	1.98E-04	3.43E-04	4.23E-01	1.89E-05	4.09E-05	1.26E-03	1.55E-06	-4.70E-03
ODP	[kg CFC 11 eq.]	9.45E-07	9.13E-09	4.10E-09	1.33E-08	1.39E-10	1.82E-09	3.68E-08	7.31E-11	-4.96E-08
AP	[mol H^+ eq.]	4.33E-01	1.72E-03	1.79E-03	2.86E-03	3.06E-05	3.87E-04	1.33E-02	1.90E-05	-1.54E-02
EP-freshwater	[kg P eq.]	8.96E-03	2.97E-05	1.02E-04	4.55E-03	5.22E-06	5.98E-06	3.80E-04	2.10E-07	-7.62E-04
EP-marine	[kg N eq.]	9.00E-02	6.54E-04	4.45E-04	3.26E-03	6.04E-06	1.54E-04	2.78E-03	7.30E-06	-2.68E-03
EP-terrestrial	[mol N eq.]	1.64E+00	6.97E-03	3.65E-03	1.05E-02	6.94E-05	1.65E-03	3.15E-02	7.83E-05	-3.72E-02
POCP	[kg NMVOC eq.]	1.82E-01	2.62E-03	1.26E-03	1.74E-03	1.69E-05	5.75E-04	9.40E-03	2.72E-05	-1.15E-02
ADPm[1]	[kg Sb eq.]	1.27E-04	1.13E-06	4.54E-06	2.45E-06	1.36E-07	2.58E-07	7.95E-06	3.51E-09	-1.03E-05
ADPf[1]	[MJ]	4.18E+02	6.11E+00	4.97E+00	2.59E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.68E+01
WDP[1]	[m^3 world eq. deprived]	2.25E+01	2.96E-02	1.81E-01	4.11E-01	1.15E-03	5.29E-03	1.90E-01	2.78E-03	-5.20E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.34E-06	3.32E-08	2.17E-08	4.41E-08	1.91E-10	6.68E-09	8.04E-08	4.05E-10	-1.85E-07
IRP [2]	[kBq U235 eq .]	5.76E+00	7.71E-03	3.36E-02	1.47E-02	2.21E-03	1.66E-03	9.21E-02	3.99E-05	-2.78E-01
ETP- fw [1]	[CTUe]	3.23E+02	3.20E+00	1.52E+00	4.04E+01	2.18E-02	6.33E-01	5.54E+00	3.09E-02	-6.81E+00
HTP-c [1]	[CTUh]	1.11E-07	1.81E-10	1.15E-09	5.51E-10	4.43E-12	4.47E-11	4.97E-09	1.07E-12	-7.15E-09
HTP- nc [1]	[CTUh]	6.00E-07	5.69E-09	6.59E-09	1.67E-08	1.98E-10	1.19E-09	2.22E-08	3.05E-11	-3.31E-08
SQP [1]	-	4.10E+03	6.20E+00	1.80E+00	2.44E+01	1.36E-01	8.99E-01	6.26E+00	1.25E-01	-2.88E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.71E+02	8.95E-02	7.86E-01	1.20E+01	1.02E-01	1.89E-02	1.54E+00	5.33E-04	-5.56E+01
PERM	[MJ]	2.70E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	6.41E+02	8.95E-02	7.86E-01	1.20E+01	1.02E-01	1.89E-02	1.54E+00	5.33E-04	-5.76E+01
PENRE	[MJ]	4.12E+02	6.11E+00	4.97E+00	3.04E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.66E+01
PENRM	[MJ]	8.57E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	4.20E+02	6.11E+00	4.97E+00	3.04E+00	9.99E-02	1.20E+00	1.79E+01	6.29E-02	-2.68E+01
SM	[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
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
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
FW	[m^3]	-2.43E+00	-2.59E-03	-1.45E-02	-2.08E-02	-2.59E-05	-5.83E-04	-8.33E-02	4.66E-05	1.18E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.48E-03	2.01E-06	9.09E-06	3.96E-06	5.49E-07	4.34E-07	2.31E-05	1.01E-08	-7.40E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	4.46
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 20 Vesterby Firestop, Multipanels, 30 mm slats, 10-19% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	7.83E-01	6.99E-01	2.11E+00	8.73E-01	6.21E-03	1.40E-01	3.03E+01	2.64E-03	-2.40E+00
GWP-fossil	[kg CO_2 eq.]	2.94E+01	6.99E-01	3.79E-01	3.29E-01	6.20E-03	1.39E-01	2.01E+00	2.63E-03	-2.40E+00
GWP-biogenic	[kg CO_2 eq.]	-3.01E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.84E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.38E+00	3.25E-04	3.43E-04	5.44E-01	1.89E-05	6.70E-05	2.00E-03	1.55E-06	-7.45E-03
ODP	[kg CFC 11 eq.]	1.02E-06	1.50E-08	4.10E-09	1.70E-08	1.39E-10	2.98E-09	4.06E-08	7.31E-11	-6.16E-08
AP	[mol H^+ eq.]	4.69E-01	2.83E-03	1.79E-03	3.67E-03	3.06E-05	6.35E-04	1.49E-02	1.90E-05	-1.86E-02
EP-freshwater	[kg P eq.]	1.01E-02	4.88E-05	1.02E-04	5.85E-03	5.22E-06	9.80E-06	4.42E-04	2.10E-07	-1.03E-03
EP-marine	[kg N eq.]	1.01E-01	1.07E-03	4.45E-04	4.19E-03	6.04E-06	2.52E-04	3.35E-03	7.30E-06	-3.72E-03
EP-terrestrial	[mol N eq.]	1.76E+00	1.14E-02	3.65E-03	1.35E-02	6.94E-05	2.70E-03	3.74E-02	7.83E-05	-4.95E-02
POCP	[kg NMVOC eq.]	2.19E-01	4.29E-03	1.26E-03	2.24E-03	1.69E-05	9.42E-04	1.12E-02	2.72E-05	-1.51E-02
ADPm[1]	[kg Sb eq.]	1.43E-04	1.85E-06	4.54E-06	3.15E-06	1.36E-07	4.23E-07	8.60E-06	3.51E-09	-1.23E-05
ADPf[1]	[MJ]	5.01E+02	1.00E+01	4.97E+00	3.33E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.49E+01
WDP[1]	[m^3 world eq. deprived]	2.65E+01	4.85E-02	1.81E-01	5.28E-01	1.15E-03	8.66E-03	1.89E-01	2.78E-03	-7.39E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.89E-06	5.44E-08	2.17E-08	5.67E-08	1.91E-10	1.09E-08	1.01E-07	4.05E-10	-2.70E-07
IRP [2]	[kBq U235 eq .]	7.15E+00	1.26E-02	3.36E-02	1.89E-02	2.21E-03	2.71E-03	1.08E-01	3.99E-05	-4.04E-01
ETP- fw [1]	[CTUe]	3.43E+02	5.24E+00	1.52E+00	5.20E+01	2.18E-02	1.04E+00	7.64E+00	3.09E-02	-9.43E+00
HTP-c [1]	[CTUh]	1.35E-07	2.97E-10	1.15E-09	7.09E-10	4.43E-12	7.32E-11	5.20E-09	1.07E-12	-8.47E-09
HTP- nc [1]	[CTUh]	6.77E-07	9.33E-09	6.59E-09	2.15E-08	1.98E-10	1.95E-09	2.90E-08	3.05E-11	-4.42E-08
SQP [1]	-	4.81E+03	1.02E+01	1.80E+00	3.14E+01	1.36E-01	1.47E+00	8.48E+00	1.25E-01	-4.69E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	4.52E+02	1.47E-01	7.86E-01	1.54E+01	1.02E-01	3.10E-02	1.71E+00	5.33E-04	-9.16E+01
PERM	[MJ]	3.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	7.87E+02	1.47E-01	7.86E-01	1.54E+01	1.02E-01	3.10E-02	1.71E+00	5.33E-04	-9.35E+01
PENRE	[MJ]	4.93E+02	1.00E+01	4.97E+00	3.91E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.47E+01
PENRM	[MJ]	9.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	5.03E+02	1.00E+01	4.97E+00	3.91E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.49E+01
SM	[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
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
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
FW	[^{m3}]	-2.90E+00	-4.24E-03	-1.45E-02	-2.67E-02	-2.59E-05	-9.54E-04	-9.20E-02	4.66E-05	1.49E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.83E-03	3.30E-06	9.09E-06	5.09E-06	5.49E-07	7.11E-07	2.73E-05	1.01E-08	-1.07E-04
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	7.72
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 21 Vesterby Firestop, Multipanels, 30 mm slats, 20-29% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	1.62E+00	6.31E-01	2.11E+00	7.76E-01	6.21E-03	1.26E-01	2.73E+01	2.64E-03	-2.28E+00
GWP-fossil	[kg CO_2 eq.]	2.73E+01	6.31E-01	3.79E-01	2.93E-01	6.20E-03	1.26E-01	1.95E+00	2.63E-03	-2.28E+00
GWP-biogenic	[kg CO_2 eq.]	-2.72E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.54E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.38E+00	2.93E-04	3.43E-04	4.83E-01	1.89E-05	6.05E-05	1.81E-03	1.55E-06	-6.77E-03
ODP	[kg CFC 11 eq.]	9.81E-07	1.35E-08	4.10E-09	1.51E-08	1.39E-10	2.69E-09	3.97E-08	7.31E-11	-5.86E-08
AP	[mol H^+ eq.]	4.51E-01	2.55E-03	1.79E-03	3.26E-03	3.06E-05	5.73E-04	1.45E-02	1.90E-05	-1.78E-02
EP-freshwater	[kg P eq.]	9.45E-03	4.40E-05	1.02E-04	5.20E-03	5.22E-06	8.85E-06	4.27E-04	2.10E-07	-9.61E-04
EP-marine	[kg N eq.]	9.52E-02	9.68E-04	4.45E-04	3.72E-03	6.04E-06	2.27E-04	3.21E-03	7.30E-06	-3.47E-03
EP-terrestrial	[mol N eq.]	1.70E+00	1.03E-02	3.65E-03	1.20E-02	6.94E-05	2.44E-03	3.59E-02	7.83E-05	-4.64E-02
POCP	[kg NMVOC eq.]	2.00E-01	3.88E-03	1.26E-03	1.99E-03	1.69E-05	8.51E-04	1.08E-02	2.72E-05	-1.42E-02
ADPm[1]	[kg Sb eq.]	1.34E-04	1.67E-06	4.54E-06	2.80E-06	1.36E-07	3.82E-07	8.44E-06	3.51E-09	-1.18E-05
ADPf[1]	[MJ]	4.58E+02	9.04E+00	4.97E+00	2.96E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.29E+01
WDP[1]	[m^3 world eq. deprived]	2.43E+01	4.38E-02	1.81E-01	4.70E-01	1.15E-03	7.82E-03	1.89E-01	2.78E-03	-6.85E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.60E-06	4.91E-08	2.17E-08	5.04E-08	1.91E-10	9.89E-09	9.59E-08	4.05E-10	-2.49E-07
IRP [2]	[kBq U235 eq .]	6.45E+00	1.14E-02	3.36E-02	1.68E-02	2.21E-03	2.45E-03	1.04E-01	3.99E-05	-3.73E-01
ETP- fw [1]	[CTUe]	3.33E+02	4.73E+00	1.52E+00	4.62E+01	2.18E-02	9.37E-01	7.12E+00	3.09E-02	-8.79E+00
HTP-c [1]	[CTUh]	1.22E-07	2.68E-10	1.15E-09	6.30E-10	4.43E-12	6.61E-11	5.14E-09	1.07E-12	-8.15E-09
HTP- nc [1]	[CTUh]	6.37E-07	8.43E-09	6.59E-09	1.91E-08	1.98E-10	1.76E-09	2.73E-08	3.05E-11	-4.15E-08
SQP [1]	-	4.44E+03	9.19E+00	1.80E+00	2.79E+01	1.36E-01	1.33E+00	7.93E+00	1.25E-01	-4.25E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	4.10E+02	1.32E-01	7.86E-01	1.37E+01	1.02E-01	2.80E-02	1.67E+00	5.33E-04	-8.27E+01
PERM	[MJ]	3.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	7.12E+02	1.32E-01	7.86E-01	1.37E+01	1.02E-01	2.80E-02	1.67E+00	5.33E-04	-8.47E+01
PENRE	[MJ]	4.51E+02	9.04E+00	4.97E+00	3.48E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.27E+01
PENRM	[MJ]	8.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	4.60E+02	9.04E+00	4.97E+00	3.48E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.29E+01
SM	[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
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
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
FW	[m^3]	-2.65E+00	-3.83E-03	-1.45E-02	-2.37E-02	-2.59E-05	-8.62E-04	-8.99E-02	4.66E-05	1.42E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.65E-03	2.98E-06	9.09E-06	4.53E-06	5.49E-07	6.42E-07	2.63E-05	1.01E-08	-9.89E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	6.92
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 22 Vesterby Firestop, Multipanels, 30 mm slats, 30-40% opening

ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	2.45E+00	5.63E-01	2.11E+00	6.79E-01	6.21E-03	1.13E-01	2.43E+01	2.64E-03	-2.16E+00
GWP-fossil	[kg CO_2 eq.]	2.52E+01	5.63E-01	3.79E-01	2.56E-01	6.20E-03	1.12E-01	1.88E+00	2.63E-03	-2.16E+00
GWP-biogenic	[kg CO_2 eq.]	-2.42E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.37E+00	2.62E-04	3.43E-04	4.23E-01	1.89E-05	5.40E-05	1.63E-03	1.55E-06	-6.09E-03
ODP	[kg CFC 11 eq.]	9.38E-07	1.21E-08	4.10E-09	1.33E-08	1.39E-10	2.40E-09	3.87E-08	7.31E-11	-5.57E-08
AP	[mol H^+ eq.]	4.32E-01	2.28E-03	1.79E-03	2.86E-03	3.06E-05	5.12E-04	1.41E-02	1.90E-05	-1.70E-02
EP-freshwater	[kg P eq.]	8.84E-03	3.93E-05	1.02E-04	4.55E-03	5.22E-06	7.90E-06	4.12E-04	2.10E-07	-8.96E-04
EP-marine	[kg N eq.]	8.96E-02	8.64E-04	4.45E-04	3.26E-03	6.04E-06	2.03E-04	3.07E-03	7.30E-06	-3.21E-03
EP-terrestrial	[mol N eq.]	1.64E+00	9.22E-03	3.65E-03	1.05E-02	6.94E-05	2.18E-03	3.45E-02	7.83E-05	-4.34E-02
POCP	[kg NMVOC eq.]	1.80E-01	3.46E-03	1.26E-03	1.74E-03	1.69E-05	7.60E-04	1.03E-02	2.72E-05	-1.33E-02
ADPm[1]	[kg Sb eq.]	1.25E-04	1.49E-06	4.54E-06	2.45E-06	1.36E-07	3.41E-07	8.28E-06	3.51E-09	-1.13E-05
ADPf[1]	[MJ]	4.14E+02	8.07E+00	4.97E+00	2.59E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.09E+01
WDP[1]	[m^3 world eq. deprived]	2.22E+01	3.91E-02	1.81E-01	4.11E-01	1.15E-03	6.99E-03	1.89E-01	2.78E-03	-6.31E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	4.31E-06	4.38E-08	2.17E-08	4.41E-08	1.91E-10	8.83E-09	9.08E-08	4.05E-10	-2.28E-07
IRP [2]	[kBq U235 eq .]	5.74E+00	1.02E-02	3.36E-02	1.47E-02	2.21E-03	2.19E-03	1.00E-01	3.99E-05	-3.42E-01
ETP- fw [1]	[CTUe]	3.22E+02	4.23E+00	1.52E+00	4.04E+01	2.18E-02	8.37E-01	6.59E+00	3.09E-02	-8.14E+00
HTP-c [1]	[CTUh]	1.10E-07	2.39E-10	1.15E-09	5.51E-10	4.43E-12	5.90E-11	5.09E-09	1.07E-12	-7.82E-09
HTP- nc [1]	[CTUh]	5.96E-07	7.52E-09	6.59E-09	1.67E-08	1.98E-10	1.57E-09	2.56E-08	3.05E-11	-3.88E-08
SQP [1]	-	4.07E+03	8.20E+00	1.80E+00	2.44E+01	1.36E-01	1.19E+00	7.38E+00	1.25E-01	-3.80E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	3.68E+02	1.18E-01	7.86E-01	1.20E+01	1.02E-01	2.50E-02	1.63E+00	5.33E-04	-7.39E+01
PERM	[MJ]	2.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	6.36E+02	1.18E-01	7.86E-01	1.20E+01	1.02E-01	2.50E-02	1.63E+00	5.33E-04	-7.58E+01
PENRE	[MJ]	4.08E+02	8.07E+00	4.97E+00	3.04E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.07E+01
PENRM	[MJ]	7.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	4.16E+02	8.07E+00	4.97E+00	3.04E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.09E+01
SM	[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
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
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
FW	[^{m3}]	-2.39E+00	-3.42E-03	-1.45E-02	-2.08E-02	-2.59E-05	-7.70E-04	-8.77E-02	4.66E-05	1.34E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	1.47E-03	2.66E-06	9.09E-06	3.96E-06	5.49E-07	5.73E-07	2.52E-05	1.01E-08	-9.07E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	6.12
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 23 Vesterby Firestop, Multipanels, 30 mm perforated, 10-19% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	-1.76E-01	6.99E-01	2.11E+00	8.73E-01	6.21E-03	1.40E-01	3.33E+01	2.64E-03	-2.42E+00
GWP-fossil	[kg CO_2 eq.]	3.14E+01	6.99E-01	3.79E-01	3.29E-01	6.20E-03	1.39E-01	2.01E+00	2.63E-03	-2.41E+00
GWP-biogenic	[kg CO_2 eq.]	-3.30E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.39E+00	3.25E-04	3.43E-04	5.44E-01	1.89E-05	6.70E-05	2.00E-03	1.55E-06	-7.45E-03
ODP	[kg CFC 11 eq.]	1.06E-06	1.50E-08	4.10E-09	1.70E-08	1.39E-10	2.98E-09	4.06E-08	7.31E-11	-6.20E-08
AP	[mol H^+ eq.]	4.87E-01	2.83E-03	1.79E-03	3.67E-03	3.06E-05	6.35E-04	1.49E-02	1.90E-05	-1.87E-02
EP-freshwater	[kg P eq.]	1.06E-02	4.88E-05	1.02E-04	5.85E-03	5.22E-06	9.80E-06	4.42E-04	2.10E-07	-1.03E-03
EP-marine	[kg N eq.]	1.06E-01	1.07E-03	4.45E-04	4.19E-03	6.04E-06	2.52E-04	3.35E-03	7.30E-06	-3.74E-03
EP-terrestrial	[mol N eq.]	1.82E+00	1.14E-02	3.65E-03	1.35E-02	6.94E-05	2.70E-03	3.74E-02	7.83E-05	-4.96E-02
POCP	[kg NMVOC eq.]	2.37E-01	4.29E-03	1.26E-03	2.24E-03	1.69E-05	9.42E-04	1.12E-02	2.72E-05	-1.52E-02
ADPm[1]	[kg Sb eq.]	1.52E-04	1.85E-06	4.54E-06	3.15E-06	1.36E-07	4.23E-07	8.60E-06	3.51E-09	-1.23E-05
ADPf[1]	[MJ]	5.42E+02	1.00E+01	4.97E+00	3.33E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.50E+01
WDP[1]	[m^3 world eq. deprived]	2.86E+01	4.85E-02	1.81E-01	5.28E-01	1.15E-03	8.66E-03	1.89E-01	2.78E-03	-7.39E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	5.17E-06	5.44E-08	2.17E-08	5.67E-08	1.91E-10	1.09E-08	1.01E-07	4.05E-10	-2.71E-07
IRP [2]	[kBq U235 eq .]	7.85E+00	1.26E-02	3.36E-02	1.89E-02	2.21E-03	2.71E-03	1.08E-01	3.99E-05	-4.04E-01
ETP- fw [1]	[CTUe]	3.53E+02	5.24E+00	1.52E+00	5.20E+01	2.18E-02	1.04E+00	7.64E+00	3.09E-02	-9.47E+00
HTP-c [1]	[CTUh]	1.47E-07	2.97E-10	1.15E-09	7.09E-10	4.43E-12	7.32E-11	5.20E-09	1.07E-12	-8.56E-09
HTP- nc [1]	[CTUh]	7.16E-07	9.33E-09	6.59E-09	2.15E-08	1.98E-10	1.95E-09	2.90E-08	3.05E-11	-4.46E-08
SQP [1]	-	5.18E+03	1.02E+01	1.80E+00	3.14E+01	1.36E-01	1.47E+00	8.48E+00	1.25E-01	-4.69E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	4.94E+02	1.47E-01	7.86E-01	1.54E+01	1.02E-01	3.10E-02	1.71E+00	5.33E-04	-9.16E+01
PERM	[MJ]	3.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	8.62E+02	1.47E-01	7.86E-01	1.54E+01	1.02E-01	3.10E-02	1.71E+00	5.33E-04	-9.35E+01
PENRE	[MJ]	5.34E+02	1.00E+01	4.97E+00	3.91E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.49E+01
PENRM	[MJ]	1.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	5.44E+02	1.00E+01	4.97E+00	3.91E+00	9.99E-02	1.96E+00	2.14E+01	6.29E-02	-3.50E+01
SM	[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
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
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
FW	[m^3]	-3.15E+00	-4.24E-03	-1.45E-02	-2.67E-02	-2.59E-05	-9.54E-04	-9.20E-02	4.66E-05	1.50E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	2.01E-03	3.30E-06	9.09E-06	5.09E-06	5.49E-07	7.11E-07	2.73E-05	1.01E-08	-1.07E-04
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	7.72
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 24 Vesterby Firestop, Multipanels, 30 mm perforated, 20-29% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	-3.01E-01	6.31E-01	2.11E+00	7.76E-01	6.21E-03	1.26E-01	3.32E+01	2.64E-03	-2.31E+00
GWP-fossil	[kg CO_2 eq.]	3.13E+01	6.31E-01	3.79E-01	2.93E-01	6.20E-03	1.26E-01	1.95E+00	2.63E-03	-2.30E+00
GWP-biogenic	[kg CO_2 eq.]	-3.30E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.39E+00	2.93E-04	3.43E-04	4.83E-01	1.89E-05	6.05E-05	1.81E-03	1.55E-06	-6.77E-03
ODP	[kg CFC 11 eq.]	1.06E-06	1.35E-08	4.10E-09	1.51E-08	1.39E-10	2.69E-09	3.97E-08	7.31E-11	-5.92E-08
AP	[mol H^+ eq.]	4.87E-01	2.55E-03	1.79E-03	3.26E-03	3.06E-05	5.73E-04	1.45E-02	1.90E-05	-1.79E-02
EP-freshwater	[kg P eq.]	1.06E-02	4.40E-05	1.02E-04	5.20E-03	5.22E-06	8.85E-06	4.27E-04	2.10E-07	-9.69E-04
EP-marine	[kg N eq.]	1.06E-01	9.68E-04	4.45E-04	3.72E-03	6.04E-06	2.27E-04	3.21E-03	7.30E-06	-3.49E-03
EP-terrestrial	[mol N eq.]	1.82E+00	1.03E-02	3.65E-03	1.20E-02	6.94E-05	2.44E-03	3.59E-02	7.83E-05	-4.66E-02
POCP	[kg NMVOC eq.]	2.37E-01	3.88E-03	1.26E-03	1.99E-03	1.69E-05	8.51E-04	1.08E-02	2.72E-05	-1.43E-02
ADPm[1]	[kg Sb eq.]	1.51E-04	1.67E-06	4.54E-06	2.80E-06	1.36E-07	3.82E-07	8.44E-06	3.51E-09	-1.18E-05
ADPf[1]	[MJ]	5.40E+02	9.04E+00	4.97E+00	2.96E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.31E+01
WDP[1]	[m^3 world eq. deprived]	2.85E+01	4.38E-02	1.81E-01	4.70E-01	1.15E-03	7.82E-03	1.89E-01	2.78E-03	-6.86E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	5.16E-06	4.91E-08	2.17E-08	5.04E-08	1.91E-10	9.89E-09	9.59E-08	4.05E-10	-2.51E-07
IRP [2]	[kBq U235 eq .]	7.84E+00	1.14E-02	3.36E-02	1.68E-02	2.21E-03	2.45E-03	1.04E-01	3.99E-05	-3.73E-01
ETP- fw [1]	[CTUe]	3.53E+02	4.73E+00	1.52E+00	4.62E+01	2.18E-02	9.37E-01	7.12E+00	3.09E-02	-8.83E+00
HTP-c [1]	[CTUh]	1.47E-07	2.68E-10	1.15E-09	6.30E-10	4.43E-12	6.61E-11	5.14E-09	1.07E-12	-8.27E-09
HTP- nc [1]	[CTUh]	7.14E-07	8.43E-09	6.59E-09	1.91E-08	1.98E-10	1.76E-09	2.73E-08	3.05E-11	-4.20E-08
SQP [1]	-	5.18E+03	9.19E+00	1.80E+00	2.79E+01	1.36E-01	1.33E+00	7.93E+00	1.25E-01	-4.25E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	4.94E+02	1.32E-01	7.86E-01	1.37E+01	1.02E-01	2.80E-02	1.67E+00	5.33E-04	-8.27E+01
PERM	[MJ]	3.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	8.61E+02	1.32E-01	7.86E-01	1.37E+01	1.02E-01	2.80E-02	1.67E+00	5.33E-04	-8.47E+01
PENRE	[MJ]	5.32E+02	9.04E+00	4.97E+00	3.48E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.30E+01
PENRM	[MJ]	9.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	5.42E+02	9.04E+00	4.97E+00	3.48E+00	9.99E-02	1.77E+00	2.05E+01	6.29E-02	-3.31E+01
SM	[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
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
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
FW	[^{m3}]	-3.14E+00	-3.83E-03	-1.45E-02	-2.37E-02	-2.59E-05	-8.62E-04	-8.99E-02	4.66E-05	1.42E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	2.01E-03	2.98E-06	9.09E-06	4.53E-06	5.49E-07	6.42E-07	2.63E-05	1.01E-08	-9.90E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M²		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	6.92
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

No. 25 Vesterby Firestop, Multipanels, 30 mm perforated, 30-40% opening

ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	[kg CO_2 eq.]	-4.27E-01	5.63E-01	2.11E+00	6.79E-01	6.21E-03	1.13E-01	3.31E+01	2.64E-03	-2.19E+00
GWP-fossil	[kg CO_2 eq.]	3.12E+01	5.63E-01	3.79E-01	2.56E-01	6.20E-03	1.12E-01	1.88E+00	2.63E-03	-2.19E+00
GWP-biogenic	[kg CO_2 eq.]	-3.30E+01	0.00E+00	1.73E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+01	0.00E+00	0.00E+00
GWP-luluc	[kg CO_2 eq.]	1.39E+00	2.62E-04	3.43E-04	4.23E-01	1.89E-05	5.40E-05	1.63E-03	1.55E-06	-6.10E-03
ODP	[kg CFC 11 eq.]	1.06E-06	1.21E-08	4.10E-09	1.33E-08	1.39E-10	2.40E-09	3.87E-08	7.31E-11	-5.64E-08
AP	[mol H^+ eq.]	4.86E-01	2.28E-03	1.79E-03	2.86E-03	3.06E-05	5.12E-04	1.41E-02	1.90E-05	-1.71E-02
EP-freshwater	[kg P eq.]	1.06E-02	3.93E-05	1.02E-04	4.55E-03	5.22E-06	7.90E-06	4.12E-04	2.10E-07	-9.07E-04
EP-marine	[kg N eq.]	1.06E-01	8.64E-04	4.45E-04	3.26E-03	6.04E-06	2.03E-04	3.07E-03	7.30E-06	-3.24E-03
EP-terrestrial	[mol N eq.]	1.82E+00	9.22E-03	3.65E-03	1.05E-02	6.94E-05	2.18E-03	3.45E-02	7.83E-05	-4.37E-02
POCP	[kg NMVOC eq.]	2.36E-01	3.46E-03	1.26E-03	1.74E-03	1.69E-05	7.60E-04	1.03E-02	2.72E-05	-1.35E-02
ADPm[1]	[kg Sb eq.]	1.50E-04	1.49E-06	4.54E-06	2.45E-06	1.36E-07	3.41E-07	8.28E-06	3.51E-09	-1.13E-05
ADPf[1]	[MJ]	5.37E+02	8.07E+00	4.97E+00	2.59E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.12E+01
WDP[1]	[m^3 world eq. deprived]	2.84E+01	3.91E-02	1.81E-01	4.11E-01	1.15E-03	6.99E-03	1.89E-01	2.78E-03	-6.33E-01
Caption	GWP-total = Global warming, total; GWP-fossil = Global warming, fossil fuels; GWP- biogenic = Global warming, biogenic; GWP- luluc = Global warming, land use and land conversion; ODP = Ozone depletion; AP = Acidification; EP-freshwater = Eutrophication (nutrient loading) – freshwater; EP-marine = Eutrophication (nutrient loading) – marine; EP- terrestrial = Eutrophication (nutrient loading) – terrestrial; POCP = Photochemical ozone creation; ADPm = Depletion of abiotic resources – minerals and metals; ADPf = Depletion of abiotic fossil resources; WDP = Depletion of water resources									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimer	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									

ADDITIONAL ENVIRONMENTAL IMPACTS PER M²										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PM	[Incidence of disease]	5.16E-06	4.38E-08	2.17E-08	4.41E-08	1.91E-10	8.83E-09	9.08E-08	4.05E-10	-2.30E-07
IRP [2]	[kBq U235 eq .]	7.83E+00	1.02E-02	3.36E-02	1.47E-02	2.21E-03	2.19E-03	1.00E-01	3.99E-05	-3.42E-01
ETP- fw [1]	[CTUe]	3.52E+02	4.23E+00	1.52E+00	4.04E+01	2.18E-02	8.37E-01	6.59E+00	3.09E-02	-8.20E+00
HTP-c [1]	[CTUh]	1.47E-07	2.39E-10	1.15E-09	5.51E-10	4.43E-12	5.90E-11	5.09E-09	1.07E-12	-7.97E-09
HTP- nc [1]	[CTUh]	7.13E-07	7.52E-09	6.59E-09	1.67E-08	1.98E-10	1.57E-09	2.56E-08	3.05E-11	-3.94E-08
SQP [1]	-	5.18E+03	8.20E+00	1.80E+00	2.44E+01	1.36E-01	1.19E+00	7.38E+00	1.25E-01	-3.80E+02
Caption	PM = Particulate matter; IRP = Ionizing radiation - human health; ETP- fw = Ecotoxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non-cancer effects; SQP = Soil quality (dimensionless)									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: $1.95*10^{2}$ or 195, while 1.12E-11 would be the same as $1.12*10^{-11}$ or 0.000000000112.									
Disclaimers	[1] Results of this environmental indicator should be used with caution as the uncertainties on these are high or when there are limited results with indicators.									
	[2] This impact category mainly covers the potential impact of low-dose ionising radiation on human health in the nuclear fuel chain. It does not take into account effects resulting from possible nuclear accidents, occupational exposure or exposure due to the disposal of radioactive waste in underground facilities. Potential ionising radiation from the soil, from radon and from some building materials is also not measured by this indicator.									

RESOURCE USE PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
PEAR	[MJ]	4.93E+02	1.18E-01	7.86E-01	1.20E+01	1.02E-01	2.50E-02	1.63E+00	5.33E-04	-7.39E+01
PERM	[MJ]	3.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+00
PERT	[MJ]	8.61E+02	1.18E-01	7.86E-01	1.20E+01	1.02E-01	2.50E-02	1.63E+00	5.33E-04	-7.58E+01
PENRE	[MJ]	5.31E+02	8.07E+00	4.97E+00	3.04E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.10E+01
PENRM	[MJ]	8.57E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.51E-01
PENRT	[MJ]	5.39E+02	8.07E+00	4.97E+00	3.04E+00	9.99E-02	1.58E+00	1.96E+01	6.29E-02	-3.12E+01
SM	[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
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
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
FW	[^{m3}]	-3.13E+00	-3.42E-03	-1.45E-02	-2.08E-02	-2.59E-05	-7.70E-04	-8.77E-02	4.66E-05	1.35E-01
Caption	PERE = Consumption of renewable primary energy; PERM = Consumption of renewable primary energy resources used as raw materials; PERT = Total consumption of renewable primary energy resources; PENRE = Consumption of non-renewable primary energy; PENRM = Consumption of non-renewable primary energy resources used as raw materials; PENRT = Total consumption of non-renewable primary energy resources; SM = Consumption of secondary material; RSF = Consumption of renewable secondary fuel; NRSF = Consumption of non-renewable secondary fuel; FW = Net freshwater consumption									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

WASTE CATEGORIES AND OUTPUT FLOW PER M^2										
Parameters	**Unit**	**A1-A3**	**A4**	**A5**	**B2**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[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
NHWD	[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
RWD	[kg]	2.01E-03	2.66E-06	9.09E-06	3.96E-06	5.49E-07	5.73E-07	2.52E-05	1.01E-08	-9.10E-05
CRU	[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
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
MORE	[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
EEE	[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
EET	[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
Caption	HWD = Hazardous Waste Disposed; NHWD = Non-Hazardous Waste Disposed; RWD = Radioactive Waste Disposed; CRU = Components for Recycling; MFR = Material for Recycling; MER = Material for Energy Recovery; EEE = Exported Electrical Energy; EET = Exported Thermal Energy									
	The numbers are given in 'scientific' format, e.g. 1.95E+02. This number can also be rewritten as: 1.95*10 ^{2} or 195, while 1.12E-11 would be the same as 1.12*10 $^{-11}$ or 0.000000000112.									

BIOGENIC CARBON/CARBON PER M^2		
Parameters	**Unit**	**At the factory gate**
Biogenic carbon content in the product	[kg C]	6.12
Biogenic carbon content In the included packaging	[kg C]	0.47
Note	1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2	

Additional information

LCA interpretation

Figure 1shows the relative contribution to different environmental impact categories in modules A1, A2, A3, A4, A5, B2, C1, C2, C3, C4 and D for product no. 14 Vesterby Firestop, Multi Panel 21 mm slat 10-19% opening.

For all environmental impact categories except GWP-total, the raw materials in A1 have the largest relative impact (50-92% contribution). In GWP-total, it may appear that A1 does not have a large impact, but this is because GWP-total is the sum of GWP-fossil and GWP-biogenic, which cancel each other out.

It is expected that the greatest potential environmental impacts come from the materials used in the products. This is largely due to the fact that the raw materials used in the products have already been processed before they are adapted and assembled into finished products at Vesterby Træteknik.

The contribution from A1 comes largely from the acoustic fabric, which consists of wool and viscose, and from plywood. Plywood makes up a large part of the weight of the products (70-90%), whereas acoustic fabric makes up a smaller part (3-6%), but in return acoustic fabric has relatively high impact per kg.

The relative contribution of raw material transport is between 0-12% of the total impact. Cleaning of the product during its lifetime has a significant contribution to GWP-luluc (28%) and EP-freshwater (37%).

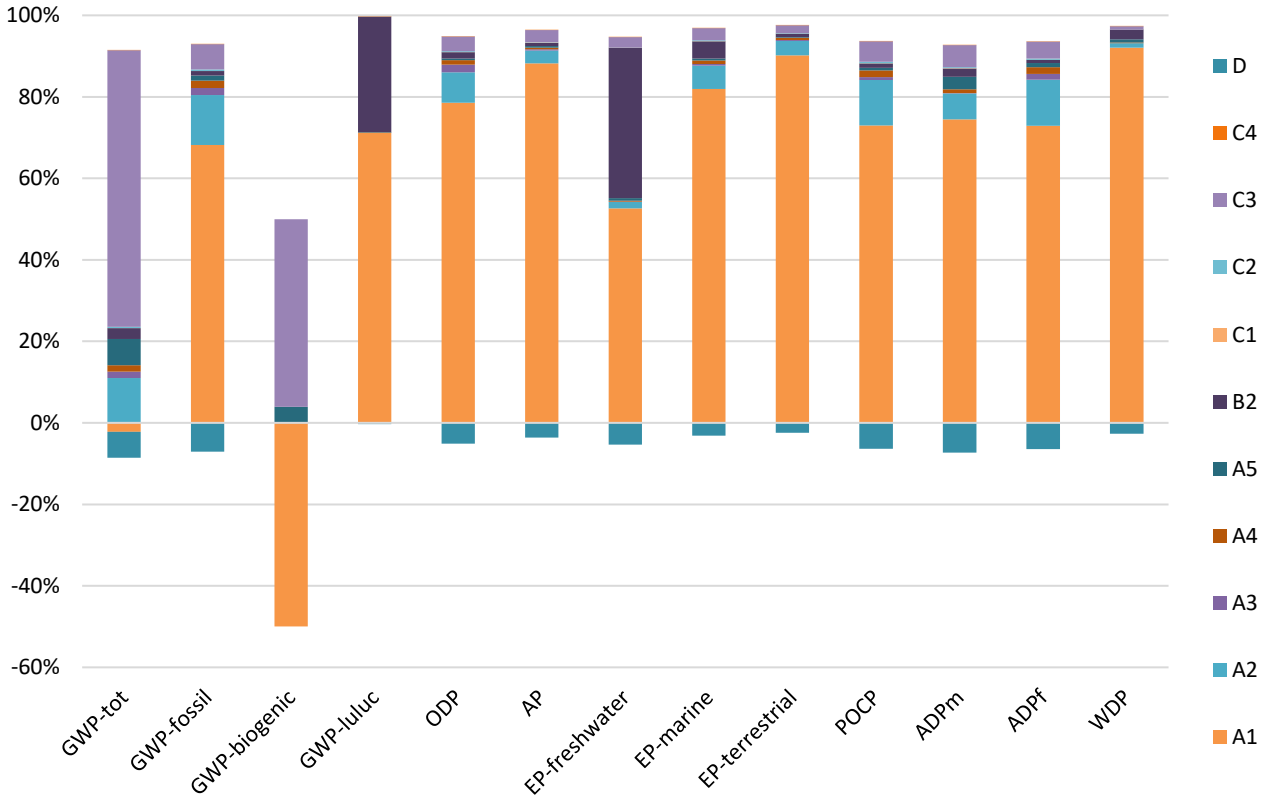


Figure 1Relative contribution to environmental impact categories for all declared modules for "Vesterby Firestop, Multi Panel 21 mm slat 10-19% opening".

Figure Figure 2be seen that the contribution of the modules to the impact of each individual product follows the same pattern. It can also be seen that the total impacts increase the greater the thickness of the plywood (12, 15, 21 or 30 mm) and the lower the degree of openings.

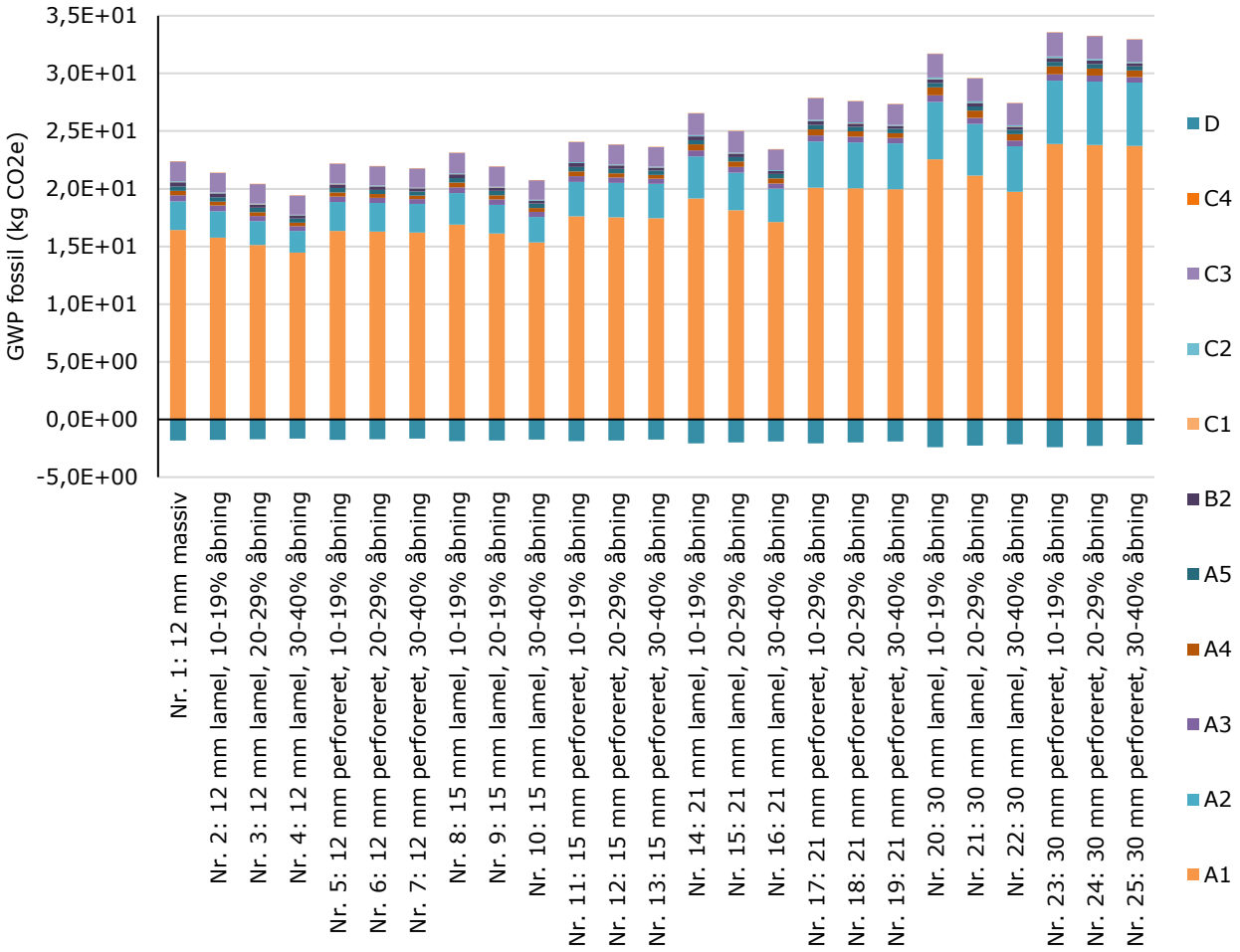


Figure 2Fossil greenhouse gas emissions (GWP-fossil) per declared product distributed across all declared modules.

Technical information about underlying scenarios

Transport to the construction site (A4)

Name	Value	Unit
Fuel quantity and type (alternatively: transport type)	0.019	kg diesel/ tkm
Transport distance	250	km
Capacity utilization (incl. empty return run)	Ecoinvent 3.9.1 standard	-
Gross density of transported product	331-525	kg/m^3
Capacity utilization, volume factor	Ecoinvent 3.9.1 standard	-

Installation in the building (A5)

Name	Value	Unit
Material consumption, screws	0.0302	kg/m^2
Material consumption, rawlplugs	0.0151	kg/m^2
Electricity consumption	0.056	kWh/m^2
Waste for recycling LDPE	0.00044	kg/m^2
Waste for incineration LDPE	0.00148	kg/m^2
Waste for recycling cardboard	0.000865	kg/m^2
Waste for incineration cardboard	0.000383	kg/m^2
Waste for recycling wood	0.87	kg/m^2
Waste for combustion wood	0.0892	kg/m^2
Total waste	0.9626	kg/m^2

Reference lifetime

Name		Unit
Reference Service Life - RSL (Life)	30	Year
Declared product properties (by port), etc.	See data sheets, installation and maintenance wood instructions on Vesterby Træteknik's website https://www.vesterbypaneler.dk/ or by contacting Vesterby Træteknik.	-
Instructions for use (if provided by manufacturers)		
Presumed quality of the installation work, according to manufacturer's instructions		
Outdoor environment (outdoor use) – e.g. weather resistance, wind, pollution, UV, etc.		
Indoor environment (indoor use), e.g. temperature, humidity, etc.		
Usage conditions – e.g. mechanical impacts, frequency of use, etc.		
Maintenance (frequency, type, quality, replacement of parts)	Wash with a wet cloth and soapy water twice a year	

Use (B1-B7)

Name	Value	Unit
B2 - Maintenance		
Description of maintenance process	Wash with a wet cloth and soapy water twice a year	-
Maintenance cycle	2	/year
Soap consumption	0.003125	L/m^2/cycle
Water consumption for maintenance	0.125	L/m^2/cycle
Sewage	0.128	L/m^2/cycle

End of life /Disposal (C1-C4) and Reuse, recycling and/or reuse potential (D)

Product	Type-separated construction waste	Mixed construction waste	For recycling	For recycling	For energy recovery	For disposal	Recovered material	Recovered electricity	Recovered heat
	kg/m^2	kg/m^2	kg/m^2	kg/m^2	kg/m^2	kg/m^2	kg/m^2	MJ/m^2	MJ/m^2
12 mm solid	11.82	0	0	8.97	2.44	0.42	9.0	4.4	8.9
12 mm slat, 10-19% opening	10.92	0	0	8.24	2.27	0.42	8.2	4.1	8.3
12 mm slat, 20-29% opening	10.02	0	0	7.51	2.10	0.42	7.5	3.8	7.7
12 mm slat, 30-40% opening	9.12	0	0	6.78	1.93	0.42	6.8	3.5	7.1
12 mm perforated, 10-19% opening	10.92	0	0	8.24	2.27	0.42	8.2	4.1	8.3
12 mm perforated, 20-29% opening	10.02	0	0	7.51	2.10	0.42	7.5	3.8	7.7
12 mm perforated, 30-40% opening	9.12	0	0	6.78	1.93	0.42	6.8	3.5	7.1
15 mm slat, 10-19% opening	12.77	0	0	9.74	2.62	0.42	9.7	4.7	9.5
15 mm slat, 20-19% opening	11.67	0	0	8.84	2.41	0.42	8.8	4.4	8.8
15 mm slat, 30-40% opening	10.56	0	0	7.94	2.20	0.42	7.9	4.0	8.1
15 mm perforated, 10-19% opening	12.77	0	0	9.74	2.62	0.42	9.7	4.7	9.5
15 mm perforated, 20-29% opening	11.67	0	0	8.84	2.41	0.42	8.8	4.4	8.8
15 mm perforated, 30-40% opening	10.56	0	0	7.94	2.20	0.42	7.9	4.0	8.1
21 mm slat, 10-19% opening	16.47	0	0	12.73	3.32	0.42	12.7	6.0	12.0
21 mm slat, 20-29% opening	14.95	0	0	11.50	3.04	0.42	11.5	5.5	11.0
21 mm slat, 30-40% opening	13.44	0	0	10.27	2.75	0.42	10.3	5.0	10.0
21 mm perforated, 10-29% opening	16.47	0	0	12.73	3.32	0.42	12.7	6.0	12.0
21 mm perforated, 20-29% opening	14.95	0	0	11.50	3.04	0.42	11.5	5.5	11.0
21 mm perforated, 30-40% opening	13.44	0	0	10.27	2.75	0.42	10.3	5.0	10.0
30 mm slat, 10-19% opening	22.02	0	0	17.23	4.38	0.42	17.2	7.8	15.7
30 mm slat, 20-29% opening	19.89	0	0	15.50	3.97	0.42	15.5	7.1	14.2
30 mm slat, 30-40% opening	17.75	0	0	13.77	3.57	0.42	13.7	6.4	12.8
30 mm perforated, 10-19% opening	22.02	0	0	17.23	4.38	0.42	17.2	7.8	15.7
30 mm perforated, 20-29% opening	19.89	0	0	15.50	3.97	0.42	15.5	7.1	14.2
30 mm perforated, 30-40% opening	17.75	0	0	13.77	3.57	0.42	13.7	6.4	12.8

Prerequisites for developing scenarios are Eurostat statistics for Denmark in 2020 (Eurostat, 2023b).

Indoor air

The EPD does not state anything about the release of hazardous substances into indoor air , as the horizontal standards for the measurements are not available.
Read more in EN15804+ A2 section 7.4.1.

Soil and water

The EPD does not indicate anything about the release of hazardous substances to soil and water, as the horizontal standards for the measurements are not available.
Read more in EN15804+ A2 section 7.4.2.

References

Publisher	www.epddanmark.dk Template version 2023.1
Program operator	Technological Institute Center for Buildings and Environment Gregersensvej DK-2630 Taastrup www.teknologisk.dk
LCA developer	BetterGreen ApS. Virumvej 64, 2830 Virum www.bettergreen.dk
LCA software /background data	SimaPro (ecoinvent v.3.9.1)
3. parts verifier	Kim Christiansen – kimconsult.dk

General program instructions
General program guide, version 2.0, spring 2020
www.epddanmark.dk

EN 15804
DS/EN 15804 + A2:2019 - "Sustainability in construction and civil engineering - Environmental product declarations - Basic rules for the product category construction products"

EN 15804
DS/EN 15804:2012+A2/AC:2021 – Corrigendum to DS/EN 15804 + A2:2019

EN 15942
DS/EN 15942:2011 – "Sustainability in construction and civil engineering - Environmental product declarations (EPD) - Communication format: business-to-business (B2B)"

Eurostat, 2023a
"Recycling rates for packaging waste for monitoring compliance with policy targets by packaging type" Accessed 05-06-2023: https://ec.europa.eu/eurostat/

Eurostat, 2023b
"Waste treatment by waste category, hazard and waste management operations"
Accessed 05-06-2023: https://ec.europa.eu/eurostat/

BYG – Department of Construction, Urban and Environmental Engineering, Aalborg University, 2021
"BYG lifetime stack – version 2021"

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

ISO 14040
DS/EN ISO 14040:2008 – "Environmental management – Life cycle assessment – Principles and structure"

ISO 14044
DS/EN ISO 14044:2008 – "Environmental management – Life cycle assessment – Requirements and guidance"