epddanmark

ECO PLATFORM EPD VERIFIED

Owner:	Junckers Industrier A/S
No.:	MD-19009-EN_rev1
Revision:	Rev1
Issued first time:	28-02-2020
Issued:	08-04-2022
Valid to:	28-02-2025

3rd PARTY **VERIFIED**

EPD

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

Owner of declaration
Junckers Industrier A/S
Værftsvej 4
DK-4600 Køge
VAT no. 66920216

Programme
EPD Danmark
www.epddanmark.dk

☐ Industry EPD
☒ Product EPD

Declared product(s)
Solid hardwood 2-strip parquet 14 x 129 mm (B 3.0)
Solid hardwood 2-strip parquet 22 x 129 mm (B 2.0)
Twin herringbone 14 x 129 (B 11.0)
Twin herringbone 22 x 129 (B 11.0)
Single stave 15 x 58.3 x 467.6 (B 9.0)
Single stave 22 x 62.2 x 623.5 (B 9.0)

The EPD covers four hardwood types; beech, maple, oak, and ash; and seven surface treatments grouped into three surface treatment groups.

Number of declared datasets/product variations: 21

Production site
Production site of Køge and Nørre Alslev in Denmark

Product(s) use
Hardwood parquet floor, which is ready to be installed in accordance with Junckers Laying Instructions. Intended for indoor use.

Declared/ functional unit
1 m² of solid hardwood parquet floor of specified type with surface treatment ready to be installed. Dimensions of the parquet floors and wood type is specified under section Declared products. The products are sold world-wide.

Year of data
2018

EPD version
Revision no.1, 08-04-2022: The results of the previous version were updated in accordance to the EN15804+A2:2019, adding modules C and D. Two new products were added as well.

Issued: 08-04-2022
Valid to: 28-02-2025

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

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

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

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

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

CEN standard EN 15804 serves as the core PCR

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

☐ internal ☒ external

Third party verifier:

Guangli Du

Martha Katrine Sørensen
EPD Danmark

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

Product information

Product description

The main product components are shown in the table below.

Material	Weight-% of declared product
Wood dry, weight	>90%
Water in wood	8%
Lacquers and oils, dry weight	<2%
Glue, sealers, kit pulver, ink, dry weight	<1%

The thermal properties of the floorboards are:

Thermal conductivity, [W/m°K]:
Beech, Oak, Ash and Maple: Approx. 0.17

Thermal resistance, md [m² °K/W]:
22 mm floorboards: 0.13
15 mm floorboards: 0.09
14 mm floorboards: 0.08

Representativity

This declaration, including data collection and the modelled foreground system including results, represents the production of 1 m^2 of solid hardwood parquet of specified type at the production sites located in Køge and Nørre Alslev in Denmark. Product specific data are based on average values and has been collected for the year 2018. Background data are based on GaBi 9.2.0.58 incl. databases 2019 Edition, Ecoinvent 3.5 and CEPE 3.0 and are less than 10 years old.

Hazardous substances

The product does not contain substances listed in the "Candidate List of Substances of Very High Concern for authorisation" whose content exceeds 0,1 weight percent. (http://echa.europa.eu/candidate-list-table)

Essential characteristics

The products are covered by harmonised technical specification EN 13629 (2-strip parquet and twin herringbone), EN 13226 (Single Staves) and EN 14342. Furthermore, a DoP (Declaration of Performance) can be found at https://www.junckers.dk/om-junckers/baeredygtighed-kvalitet-og-miljoe

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

Solid hardwood 2-strip parquet 14 x 129 mm (B 3.0) www.junckers.com/2striptechinfo14mm

Solid hardwood 2-strip parquet 22 x 129 mm (B 2.0) www.junckers.com/2striptechinfo22mm

Twin herringbone 14 x 129 mm (B 11.0) www.junckers.com/TwinHerringbonetechinfo14mm

Twin herringbone 22 x 129mm (B 11.0) www.junckers.com/TwinHerringbonetechinfo22mm

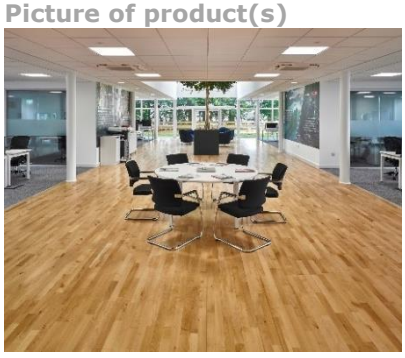
Single stave 15 x 58.3 x 467.6 (B 9.0)www.junckers.com/SingleStavestechinfo15mm

Single stave 22 x 62.2 x 623.5 (B 9.0)www.junckers.com/SingleStavestechinfo22mm

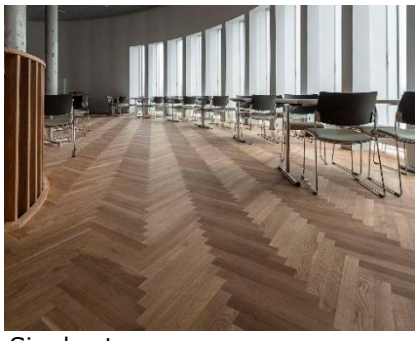
Reference Service Life (RSL)

The reference service life is not declared, as this EPD is based on a cradle-to-gate assessment where the service life is not relevant

Picture of product(s)


2-strip parquet


Twin herringbone


Single stave

LCA background

Declared unit

The LCI and LCIA results in this EPD relates to 1 m^2 of solid hardwood 2 strip parquet floor, twin herringbone floor and single stave floor. The product variations include different wood species (beech, maple, oak and ash), different thickness and different surface treatments. The specifications for each variation are presented in tables below, including the reference to the results grouping.

Product	Reference to results grouping	Declared unit	Weight per m^2 (kg/m^2)	Density (kg/m^3)	Conversion factor to 1 kg
2-strip parquet Beech 14 x 129mm (B 3.0)	Group 7 (L1) Group 8 (L2) Group 9 (Oil)	1 m^2	11	770	0,091
2-strip parquet Beech 22 x 129mm (B 2.0)	Group 13 (L1) Group 14 (L2) Group 17 (Oil)	1 m^2	16,4	770	0,061
2-strip parquet Maple 22 x 129mm (B 2.0)	Group 13 (L1) Group 14 (L2) Group 19 (Oil)	1 m^2	14,5	665	0,069
2-strip parquet Oak 14 x 129mm (B 3.0)	Group 1 (L1) Group 2 (L2) Group 3 (Oil)	1 m^2	10,2	725	0,098
2-strip parquet Oak 22 x 129mm (B 2.0)	Group 4 (L1) Group 5 (L2) Group 6 (Oil)	1 m^2	15,5	725	0,065
2-strip parquet Ash 14 x 129mm (B 3.0)	Group 7 (L1) Group 8 (L2) Group 9 (Oil)	1 m^2	9,7	680	0,103
2-strip parquet Ash 22 x 129mm (B 2.0)	Group 13 (L1) Group 14 (L2) Group 18 (Oil)	1 m^2	14,5	680	0,069
Twin herringbone Beech 14 x 129mm (B 11.0)	Group 10 (L1) Group 11 (L2) Group 12 (Oil)	1 m^2	11	770	0,091
Twin herringbone Beech 22 x 129mm (B 11.0)	Group 15 (L1) Group 16 (L2) Group 17 (Oil)	1 m^2	16,4	770	0,061
Twin herringbone Ash 14 x 129mm (B 11.0)	Group 10 (L1) Group 11 (L2) Group 12 (Oil)	1 m^2	9,7	680	0,103
Twin herringbone Ash 22 x 129mm (B 11.0)	Group 15 (L1) Group 16 (L2) Group 18 (Oil)	1 m^2	14,5	680	0,069
Twin herringbone Oak 14 x 129mm (B 11.0)	Group 1 (L1) Group 2 (L2) Group 3 (Oil)	1 m^2	10,2	725	0,098
Twin herringbone Oak 22 x 129mm (B 11.0)	Group 4 (L1) Group 5 (L2) Group 6 (Oil)	1 m^2	15,5	725	0,065
Single stave Oak 15 x 58.3 x 467.6 (B 9.0)	Group 20	1 m^2	12,1	760	0,083
Single stave Oak 22 x 62.2 x 623.5 (B 9.0)	Group 21	1 m^2	15,5	760	0,065

The EPD covers seven surface treatments groups into three surface treatment groups.

Surface treatment group	Surface treatment
Lacquers 1 (L1)	Silk matt (Sport) Nordic matt and ultra matt
Lacquers 2 (L2)	Silk matt (Commercial/residential) Ultra matt Ultra matt, ammonia treated
Oil	Clear oil Clear oil with UV backside lacquer

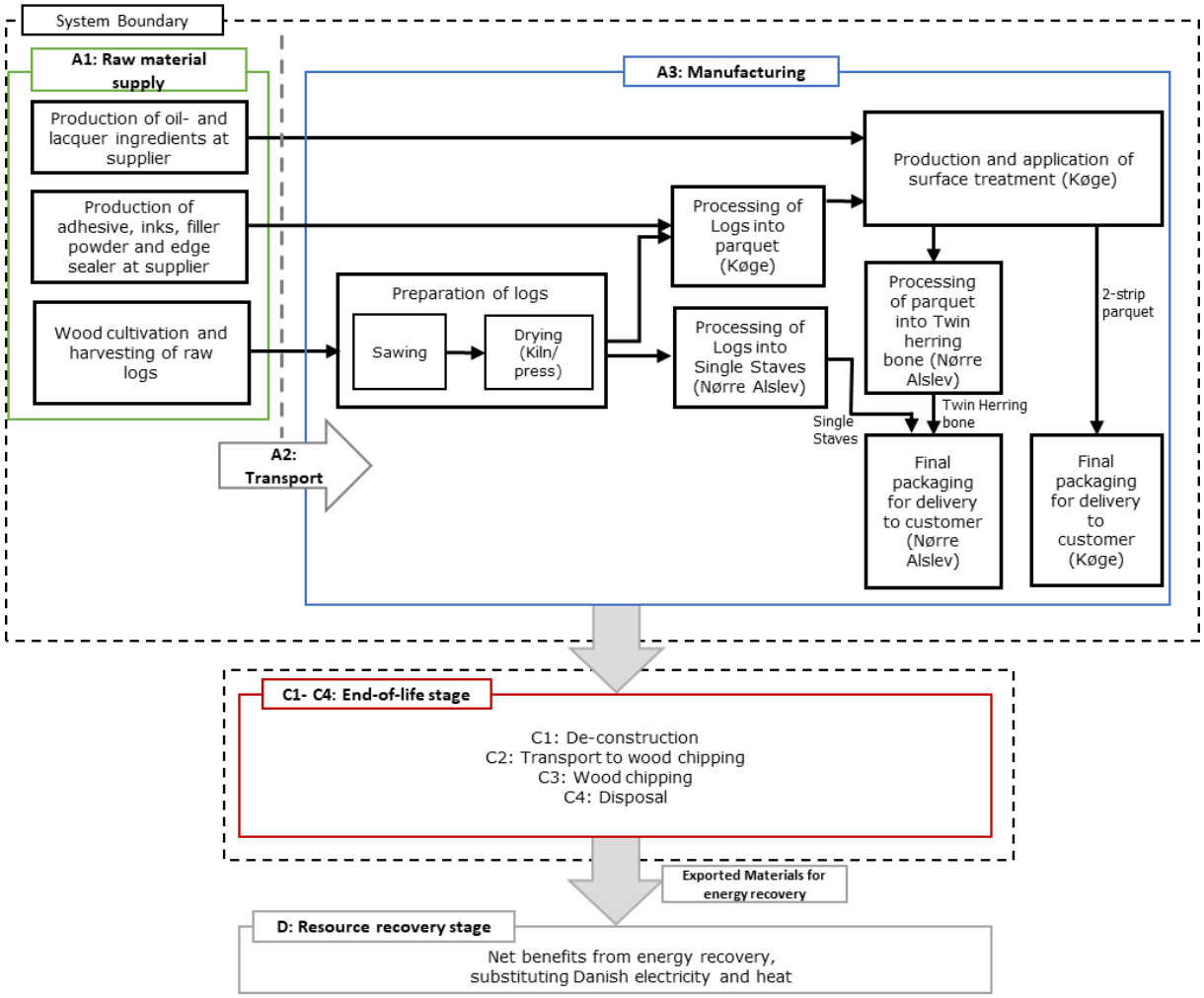
Functional unit

N/A

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804+A2:2019, and EN16485.

Flowdiagram for all declared products



System boundary

This EPD is based on a cradle-to-gate with modules C1-C4 and module D LCA, in which 100 weight-% has been accounted for.

The general rules for exclusion of inputs and outputs in the LCA follows the rules in EN 15804, 6.3.5, where the cut-off criteria is 1% of renewable and non-renewable primary energy usage and 1% of the total mass input of that unit process. Life cycle inventory data shall according to EN 15804 include a minimum of 95% of total inflows (mass and energy) per module.

General data for processes without by-product production mass allocation was used to allocate the energy and material flows to the respectively produced products, e.g., if yearly energy consumption or material throughput was specified. Joint co-products as defined in EN 15804, 6.4.3.2 are allocated based on economic values, as the difference in revenue is significant.

Product stage (A1-A3) includes:

A1 – Extraction and processing of raw materials

A2 – Transport to the production site

A3 – Manufacturing processes

The product stage comprises the acquisition of all raw materials, products and energy, transport to the production site, packaging and waste processing up to the ”end-of-waste” state or final disposal. The LCA results are declared in

aggregated form for the product stage, which means, that the sub-modules A1, A2 and A3 are declared as one module A1-A3.

The production process of 2-strip parquet, twin herringbone parquet and single staves share the first two steps: sawing of logs into staves and drying the staves at production site in Køge. After that the singles staves are sent to Nørre Alslev for profiling and packaging, while 2-strip and twin herringbone parquet undergoes few more steps in Køge – profiling of staves, assembling and glueing into floorboards, and surface treatment. After that 2-stip parquet is packaged directly, while twin herringbone parquet requires an additional cutting step before packaging, for which it is sent to Nørre Alslev. Both single stave and twin herringbone parquet are sent back to Køge after the processing and packaging.

End of Life (C1-C4) includes:

A 100% energy recovery scenario is presented. The End-of-life of the products is modelled for the largest market, that is Denmark, where about 35% of the products are sold. The end-of-life scenario for other countries will vary from the one presented in this EPD.

In module C1 the deconstruction of the products covered by this study was assumed to be done manually, and thus not require any processes with an environmental impact. Hence, no impact is recorded in this module.

Module C2 includes the transport between a demolition site and a waste management plant, where the wood is chipped and then sold as a biofuel for district heating.

Module C3 includes the waste processing of the wooden floors (main products). Waste processing is included up until end-of-waste state and comprises of chipping of wood.

The output flows of wood chips are reported as "Materials for energy recovery" in C3 and the burden from the incineration process and the benefits from the recovered energy replacing heat and electricity that would have been produced from other sources is recorded in module D.

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

In general, module D includes reuse, recovery and/or recycling potential, expressed as net impact and benefits. In this case, it includes the incineration and energy recovery of wood chips coming out of module C3.
The wood chips are assumed to be used as a fuel in district heating i.e., incinerated in municipal waste incineration (waste-to-energy) plant. When the material is incinerated, electricity and heat is produced and recovered. The net impacts/benefits of the incineration – expressed as the potential benefits of the recovered energy replacing electricity and heat that would have been produced from other sources, subtracted by the burden of the incineration process and the landfilling of incineration residues such as ashes – are recorded in module D. The electricity generated is assumed to replace the average Danish mix. For heat, the market is more regionalized, and a national average thermal energy mix is not as representative. As a simplified assumption, it is therefore assumed that heat from natural gas would be replaced.

LCA results

The estimated impact results of the LCIA are relative expressions and do not indicate the impacts endpoints, the exceeding of thresholds, safety margins or risks.

The results are presented as averages for groups of two to three products in order to reduce the amount of result tables and increase the readability of the EPD. The variation of the impacts between products in a product group do not exceed +/- 10% in every impact category. The first table provides an overview of the different products with links to the sections of the respective results.

Overview of the different products and respective results (with links to the sections)

	Wood species	Thickness	2-strip Parquet	Twin herring bone	Single stave	Surface treatment		
						Laquer 1	Lacquer 2	Oil
Results for Group 1, 2 and 3 (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)								
Group 1	Oak	14 mm	x	x		x		
Group 2	Oak	14 mm	x	x			x	
Group 3	Oak	14 mm	x	x				x
Results for Group 4, 5 and 6 (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)								
Group 4	Oak	22 mm	x	x		x		
Group 5	Oak	22 mm	x	x			x	
Group 6	Oak	22 mm	x	x				x
Results for Group 7, 8 and 9 (14 mm beech and ash 2-strip parquet; all surface treatments)								
Group 7	Beech/ Ash	14 mm	x			x		
Group 8	Beech/ Ash	14 mm	x				x	
Group 9	Beech/ Ash	14 mm	x					x
Results for Group 10, 11 and 12 (14 mm beech and ash Twin herringbone; all surface treatments)								
Group 10	Beech/ Ash	14 mm		x		x		
Group 11	Beech/ Ash	14 mm		x			x	
Group 12	Beech/ Ash	14 mm		x				x
Results for Group 13 and 14 (22 mm beech and ash and marple 2-strip parquet; lacquer 1 and 2 surface treatment)								
Group 13	Beech/ Ash/ Maple	22 mm	x			x		
Group 14	Beech/ Ash/ Maple	22 mm	x				x	
Results for Group 15 and 16 (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)								
Group 15	Beech/ Ash	22 mm		x		x		
Group 16	Beech/ Ash	22 mm		x			x	
Results for Group 17, 18 and 19 (22 mm beech and ash 2-strip parquet and Twin herringbone; oil surface treatment)								
Group 17	Beech	22 mm	x	x				x
Group 18	Ash	22 mm	x	x				x
Group 19	Maple	22 mm	x					x
Results for Group 20 and 21 (22 mm and 15 mm oak single staves)								
Group 20	Oak	22 mm			x			
Group 21	Oak	15 mm			x			

Results for Group 1, 2 and 3 (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)

Table 1 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 1)							
GWP-total	kg CO_2 eq.	-1,07E+01	0,00E+00	4,44E-02	1,89E+01	0,00E+00	-4,74E+00
GWP-fossil	kg CO_2 eq.	8,25E+00	0,00E+00	4,33E-02	5,14E-02	0,00E+00	-4,72E+00
GWP-biogenic	kg CO_2 eq.	-1,89E+01	0,00E+00	4,21E-04	1,89E+01	0,00E+00	-1,61E-02
GWP-luluc	kg CO_2 eq.	3,47E-02	0,00E+00	6,74E-04	9,18E-05	0,00E+00	-3,22E-03
ODP	kg CFC 11 eq.	1,09E-07	0,00E+00	8,13E-18	1,39E-15	0,00E+00	-4,82E-14
AP	mol H^+ eq.	7,17E-02	0,00E+00	2,70E-04	8,40E-05	0,00E+00	-2,58E-03
EP-freshwater	kg P eq.	1,28E-03	0,00E+00	6,41E-07	7,03E-07	0,00E+00	-2,46E-05
EP-marine	kg N eq.	1,98E-02	0,00E+00	1,30E-04	2,65E-05	0,00E+00	-1,08E-03
EP-terrestrial	mol N eq.	2,46E-01	0,00E+00	1,44E-03	2,67E-04	0,00E+00	-8,04E-03
POCP	kg NMVOC eq.	1,54E-01	0,00E+00	2,50E-04	6,58E-05	0,00E+00	-2,85E-03
ADPm[1]	kg Sb eq.	7,34E-06	0,00E+00	3,52E-09	2,50E-08	0,00E+00	-8,94E-07
ADPf[1]	MJ	1,12E+02	0,00E+00	5,89E-01	6,16E-01	0,00E+00	-7,05E+01
WDP[1]	m^3 world eq. deprived	9,85E+00	0,00E+00	9,84E-04	4,67E-03	0,00E+00	1,73E+00
Lacquer 2 (Group 2)							
GWP-total	kg CO_2 eq.	-1,11E+01	0,00E+00	4,44E-02	1,89E+01	0,00E+00	-4,74E+00
GWP-fossil	kg CO_2 eq.	7,77E+00	0,00E+00	4,33E-02	5,14E-02	0,00E+00	-4,72E+00
GWP-biogenic	kg CO_2 eq.	-1,89E+01	0,00E+00	4,21E-04	1,89E+01	0,00E+00	-1,61E-02
GWP-luluc	kg CO_2 eq.	3,44E-02	0,00E+00	6,74E-04	9,18E-05	0,00E+00	-3,22E-03
ODP	kg CFC 11 eq.	7,67E-08	0,00E+00	8,13E-18	1,39E-15	0,00E+00	-4,82E-14
AP	mol H^+ eq.	6,96E-02	0,00E+00	2,70E-04	8,40E-05	0,00E+00	-2,58E-03
EP-freshwater	kg P eq.	1,06E-03	0,00E+00	6,41E-07	7,03E-07	0,00E+00	-2,46E-05
EP-marine	kg N eq.	1,94E-02	0,00E+00	1,30E-04	2,65E-05	0,00E+00	-1,08E-03
EP-terrestrial	mol N eq.	2,42E-01	0,00E+00	1,44E-03	2,67E-04	0,00E+00	-8,04E-03
POCP	kg NMVOC eq.	1,53E-01	0,00E+00	2,50E-04	6,58E-05	0,00E+00	-2,85E-03
ADPm[1]	kg Sb eq.	6,39E-06	0,00E+00	3,52E-09	2,50E-08	0,00E+00	-8,94E-07
ADPf[1]	MJ	1,04E+02	0,00E+00	5,89E-01	6,16E-01	0,00E+00	-7,05E+01
WDP[1]	m^3 world eq. deprived	6,81E+00	0,00E+00	9,84E-04	4,67E-03	0,00E+00	1,73E+00
Oil (Group 3)							
GWP-total	kg CO_2 eq.	-1,15E+01	0,00E+00	4,44E-02	1,89E+01	0,00E+00	-4,74E+00
GWP-fossil	kg CO_2 eq.	7,43E+00	0,00E+00	4,33E-02	5,14E-02	0,00E+00	-4,72E+00
GWP-biogenic	kg CO_2 eq.	-1,90E+01	0,00E+00	4,21E-04	1,89E+01	0,00E+00	-1,61E-02
GWP-luluc	kg CO_2 eq.	3,41E-02	0,00E+00	6,74E-04	9,18E-05	0,00E+00	-3,22E-03
ODP	kg CFC 11 eq.	6,65E-08	0,00E+00	8,13E-18	1,39E-15	0,00E+00	-4,82E-14
AP	mol H^+ eq.	6,78E-02	0,00E+00	2,70E-04	8,40E-05	0,00E+00	-2,58E-03
EP-freshwater	kg P eq.	8,51E-04	0,00E+00	6,41E-07	7,03E-07	0,00E+00	-2,46E-05
EP-marine	kg N eq.	1,97E-02	0,00E+00	1,30E-04	2,65E-05	0,00E+00	-1,08E-03
EP-terrestrial	mol N eq.	2,39E-01	0,00E+00	1,44E-03	2,67E-04	0,00E+00	-8,04E-03
POCP	kg NMVOC eq.	1,52E-01	0,00E+00	2,50E-04	6,58E-05	0,00E+00	-2,85E-03
ADPm[1]	kg Sb eq.	5,54E-06	0,00E+00	3,52E-09	2,50E-08	0,00E+00	-8,94E-07
ADPf[1]	MJ	9,78E+01	0,00E+00	5,89E-01	6,16E-01	0,00E+00	-7,05E+01
WDP[1]	m^3 world eq. deprived	2,43E+00	0,00E+00	9,84E-04	4,67E-03	0,00E+00	1,73E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 2 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 1)							
PM	[Disease incidence]	6,43E-07	0,00E+00	9,91E-10	7,27E-10	0,00E+00	-2,33E-08
IRP[2]	[kBq U235 eq.]	6,27E-01	0,00E+00	1,81E-04	6,21E-03	0,00E+00	-1,85E-01
ETP-fw[1]	[CTUe]	7,97E+01	0,00E+00	4,28E-01	2,02E-01	0,00E+00	-5,69E+00
HTP-c[1]	[CTUh]	5,07E-09	0,00E+00	8,39E-12	2,48E-11	0,00E+00	-2,54E-09
HTP-nc[1]	[CTUh]	5,47E-07	0,00E+00	3,60E-10	2,92E-10	0,00E+00	-8,48E-09
SQP[1]	-	1,20E+04	0,00E+00	2,66E-01	6,62E-01	0,00E+00	-2,29E+01
Lacquer 2 (Group 2)							
PM	[Disease incidence]	6,13E-07	0,00E+00	9,91E-10	7,27E-10	0,00E+00	-2,33E-08
IRP[2]	[kBq U235 eq.]	5,78E-01	0,00E+00	1,81E-04	6,21E-03	0,00E+00	-1,85E-01
ETP-fw[1]	[CTUe]	7,10E+01	0,00E+00	4,28E-01	2,02E-01	0,00E+00	-5,69E+00
HTP-c[1]	[CTUh]	4,79E-09	0,00E+00	8,39E-12	2,48E-11	0,00E+00	-2,54E-09
HTP-nc[1]	[CTUh]	5,41E-07	0,00E+00	3,60E-10	2,92E-10	0,00E+00	-8,48E-09
SQP[1]	-	1,20E+04	0,00E+00	2,66E-01	6,62E-01	0,00E+00	-2,29E+01
Oil (Group 3)							
PM	[Disease incidence]	5,90E-07	0,00E+00	9,91E-10	7,27E-10	0,00E+00	-2,33E-08
IRP[2]	[kBq U235 eq.]	5,43E-01	0,00E+00	1,81E-04	6,21E-03	0,00E+00	-1,85E-01
ETP-fw[1]	[CTUe]	6,43E+01	0,00E+00	4,28E-01	2,02E-01	0,00E+00	-5,69E+00
HTP-c[1]	[CTUh]	4,66E-09	0,00E+00	8,39E-12	2,48E-11	0,00E+00	-2,54E-09
HTP-nc[1]	[CTUh]	5,39E-07	0,00E+00	3,60E-10	2,92E-10	0,00E+00	-8,48E-09
SQP[1]	-	1,20E+04	0,00E+00	2,66E-01	6,62E-01	0,00E+00	-2,29E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 3 - Parameters describing resource use

RESOURCE USE PER 1m² floor (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 1)							
PERE	[MJ]	1,27E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PERM	[MJ]	1,84E+02	0,00E+00	0,00E+00	-1,84E+02	0,00E+00	1,84E+02
PERT	[MJ]	1,45E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PENRE	[MJ]	1,12E+02	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,12E+02	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	2,63E-01	0,00E+00	5,91E-05	5,65E-04	0,00E+00	2,44E-02
Lacquer 2 (Group 2)							
PERE	[MJ]	1,27E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PERM	[MJ]	1,84E+02	0,00E+00	0,00E+00	-1,84E+02	0,00E+00	1,84E+02
PERT	[MJ]	1,45E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PENRE	[MJ]	1,04E+02	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,04E+02	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	1,92E-01	0,00E+00	5,91E-05	5,65E-04	0,00E+00	2,44E-02
Oil (Group 3)							
PERE	[MJ]	1,27E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PERM	[MJ]	1,84E+02	0,00E+00	0,00E+00	-1,84E+02	0,00E+00	1,84E+02
PERT	[MJ]	1,45E+03	0,00E+00	3,51E-02	1,13E+00	0,00E+00	-4,06E+01
PENRE	[MJ]	9,79E+01	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	9,79E+01	0,00E+00	5,91E-01	6,17E-01	0,00E+00	-7,05E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	-1,15E+01	0,00E+00	4,44E-02	1,89E+01	0,00E+00	-4,74E+00
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 4 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 1)							
HWD	[kg]	1,99E-06	0,00E+00	3,28E-08	1,07E-09	0,00E+00	-4,47E-08
NHWD	[kg]	3,27E-01	0,00E+00	4,98E-05	2,34E-03	0,00E+00	4,03E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	6,85E-02	0,00E+00	0,00E+00	1,02E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 2)							
HWD	[kg]	1,98E-06	0,00E+00	3,28E-08	1,07E-09	0,00E+00	-4,47E-08
NHWD	[kg]	3,27E-01	0,00E+00	4,98E-05	2,34E-03	0,00E+00	4,03E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	6,85E-02	0,00E+00	0,00E+00	1,02E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Oil (Group 3)							
HWD	[kg]	1,96E-06	0,00E+00	3,28E-08	1,07E-09	0,00E+00	-4,47E-08
NHWD	[kg]	3,26E-01	0,00E+00	4,98E-05	2,34E-03	0,00E+00	4,03E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	6,85E-02	0,00E+00	0,00E+00	1,02E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 5 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (14 mm oak 2-strip parquet and Twin herringbone; all surface treatments)			
Parameter	**Unit**	**At the factory gate**	
		2-strip parquet	**Twin hering bone**
Biogenic carbon content in product	kg C	2,78E+00	
Biogenic carbon content in accompanying packaging	kg C	1,65E-02	0,00E+00

Results for Group 4, 5 and 6 (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)

Table 6 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 4)							
GWP-total	kg CO_2 eq.	-1,95E+01	0,00E+00	6,74E-02	2,88E+01	0,00E+00	-7,20E+00
GWP-fossil	kg CO_2 eq.	9,26E+00	0,00E+00	6,58E-02	7,82E-02	0,00E+00	-7,17E+00
GWP-biogenic	kg CO_2 eq.	-2,88E+01	0,00E+00	6,40E-04	2,87E+01	0,00E+00	-2,44E-02
GWP-luluc	kg CO_2 eq.	4,21E-02	0,00E+00	1,02E-03	1,39E-04	0,00E+00	-4,90E-03
ODP	kg CFC 11 eq.	1,05E-07	0,00E+00	1,24E-17	2,11E-15	0,00E+00	-7,32E-14
AP	mol H^+ eq.	8,15E-02	0,00E+00	4,10E-04	1,28E-04	0,00E+00	-3,93E-03
EP-freshwater	kg P eq.	1,31E-03	0,00E+00	9,74E-07	1,07E-06	0,00E+00	-3,74E-05
EP-marine	kg N eq.	2,38E-02	0,00E+00	1,98E-04	4,03E-05	0,00E+00	-1,65E-03
EP-terrestrial	mol N eq.	2,85E-01	0,00E+00	2,18E-03	4,05E-04	0,00E+00	-1,22E-02
POCP	kg NMVOC eq.	2,00E-01	0,00E+00	3,80E-04	1,00E-04	0,00E+00	-4,32E-03
ADPm[1]	kg Sb eq.	7,40E-06	0,00E+00	5,35E-09	3,79E-08	0,00E+00	-1,36E-06
ADPf[1]	MJ	1,27E+02	0,00E+00	8,94E-01	9,37E-01	0,00E+00	-1,07E+02
WDP[1]	m^3 world eq. deprived	9,84E+00	0,00E+00	1,50E-03	7,09E-03	0,00E+00	2,64E+00
Lacquer 2 (Group 5)							
GWP-total	kg CO_2 eq.	-1,99E+01	0,00E+00	6,74E-02	2,88E+01	0,00E+00	-7,20E+00
GWP-fossil	kg CO_2 eq.	8,80E+00	0,00E+00	6,58E-02	7,82E-02	0,00E+00	-7,17E+00
GWP-biogenic	kg CO_2 eq.	-2,88E+01	0,00E+00	6,40E-04	2,87E+01	0,00E+00	-2,44E-02
GWP-luluc	kg CO_2 eq.	4,18E-02	0,00E+00	1,02E-03	1,39E-04	0,00E+00	-4,90E-03
ODP	kg CFC 11 eq.	7,40E-08	0,00E+00	1,24E-17	2,11E-15	0,00E+00	-7,32E-14
AP	mol H^+ eq.	7,94E-02	0,00E+00	4,10E-04	1,28E-04	0,00E+00	-3,93E-03
EP-freshwater	kg P eq.	1,09E-03	0,00E+00	9,74E-07	1,07E-06	0,00E+00	-3,74E-05
EP-marine	kg N eq.	2,34E-02	0,00E+00	1,98E-04	4,03E-05	0,00E+00	-1,65E-03
EP-terrestrial	mol N eq.	2,80E-01	0,00E+00	2,18E-03	4,05E-04	0,00E+00	-1,22E-02
POCP	kg NMVOC eq.	1,98E-01	0,00E+00	3,80E-04	1,00E-04	0,00E+00	-4,32E-03
ADPm[1]	kg Sb eq.	6,47E-06	0,00E+00	5,35E-09	3,79E-08	0,00E+00	-1,36E-06
ADPf[1]	MJ	1,20E+02	0,00E+00	8,94E-01	9,37E-01	0,00E+00	-1,07E+02
WDP[1]	m^3 world eq. deprived	6,89E+00	0,00E+00	1,50E-03	7,09E-03	0,00E+00	2,64E+00
Oil (Group 6)							
GWP-total	kg CO_2 eq.	-2,03E+01	0,00E+00	6,74E-02	2,88E+01	0,00E+00	-7,20E+00
GWP-fossil	kg CO_2 eq.	8,46E+00	0,00E+00	6,58E-02	7,82E-02	0,00E+00	-7,17E+00
GWP-biogenic	kg CO_2 eq.	-2,88E+01	0,00E+00	6,40E-04	2,87E+01	0,00E+00	-2,44E-02
GWP-luluc	kg CO_2 eq.	4,15E-02	0,00E+00	1,02E-03	1,39E-04	0,00E+00	-4,90E-03
ODP	kg CFC 11 eq.	6,40E-08	0,00E+00	1,24E-17	2,11E-15	0,00E+00	-7,32E-14
AP	mol H^+ eq.	7,76E-02	0,00E+00	4,10E-04	1,28E-04	0,00E+00	-3,93E-03
EP-freshwater	kg P eq.	8,90E-04	0,00E+00	9,74E-07	1,07E-06	0,00E+00	-3,74E-05
EP-marine	kg N eq.	2,36E-02	0,00E+00	1,98E-04	4,03E-05	0,00E+00	-1,65E-03
EP-terrestrial	mol N eq.	2,77E-01	0,00E+00	2,18E-03	4,05E-04	0,00E+00	-1,22E-02
POCP	kg NMVOC eq.	1,97E-01	0,00E+00	3,80E-04	1,00E-04	0,00E+00	-4,32E-03
ADPm[1]	kg Sb eq.	5,64E-06	0,00E+00	5,35E-09	3,79E-08	0,00E+00	-1,36E-06
ADPf[1]	MJ	1,13E+02	0,00E+00	8,94E-01	9,37E-01	0,00E+00	-1,07E+02
WDP[1]	m^3 world eq. deprived	2,63E+00	0,00E+00	1,50E-03	7,09E-03	0,00E+00	2,64E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 7 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 4)							
PM	[Disease incidence]	7,38E-07	0,00E+00	1,51E-09	1,10E-09	0,00E+00	-3,55E-08
IRP[2]	[kBq U235 eq.]	6,50E-01	0,00E+00	2,74E-04	9,43E-03	0,00E+00	-2,82E-01
ETP-fw[1]	[CTUe]	8,94E+01	0,00E+00	6,50E-01	3,07E-01	0,00E+00	-8,65E+00
HTP-c[1]	[CTUh]	5,54E-09	0,00E+00	1,28E-11	3,77E-11	0,00E+00	-3,86E-09
HTP-nc[1]	[CTUh]	6,83E-07	0,00E+00	5,47E-10	4,44E-10	0,00E+00	-1,29E-08
SQP[1]	-	1,58E+04	0,00E+00	4,04E-01	1,01E+00	0,00E+00	-3,49E+01
Lacquer 2 (Group 5)							
PM	[Disease incidence]	7,09E-07	0,00E+00	1,51E-09	1,10E-09	0,00E+00	-3,55E-08
IRP[2]	[kBq U235 eq.]	6,02E-01	0,00E+00	2,74E-04	9,43E-03	0,00E+00	-2,82E-01
ETP-fw[1]	[CTUe]	8,09E+01	0,00E+00	6,50E-01	3,07E-01	0,00E+00	-8,65E+00
HTP-c[1]	[CTUh]	5,27E-09	0,00E+00	1,28E-11	3,77E-11	0,00E+00	-3,86E-09
HTP-nc[1]	[CTUh]	6,76E-07	0,00E+00	5,47E-10	4,44E-10	0,00E+00	-1,29E-08
SQP[1]	-	1,58E+04	0,00E+00	4,04E-01	1,01E+00	0,00E+00	-3,49E+01
Oil (Group 6)							
PM	[Disease incidence]	6,87E-07	0,00E+00	1,51E-09	1,10E-09	0,00E+00	-3,55E-08
IRP[2]	[kBq U235 eq.]	5,68E-01	0,00E+00	2,74E-04	9,43E-03	0,00E+00	-2,82E-01
ETP-fw[1]	[CTUe]	7,45E+01	0,00E+00	6,50E-01	3,07E-01	0,00E+00	-8,65E+00
HTP-c[1]	[CTUh]	5,14E-09	0,00E+00	1,28E-11	3,77E-11	0,00E+00	-3,86E-09
HTP-nc[1]	[CTUh]	6,74E-07	0,00E+00	5,47E-10	4,44E-10	0,00E+00	-1,29E-08
SQP[1]	-	1,58E+04	0,00E+00	4,04E-01	1,01E+00	0,00E+00	-3,49E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 8 - Parameters describing resource use

RESOURCE USE PER 1m² floor (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 4)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,28E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,28E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	2,63E-01	0,00E+00	8,99E-05	8,59E-04	0,00E+00	3,70E-02
Lacquer 2 (Group 5)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,20E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,20E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	1,94E-01	0,00E+00	8,99E-05	8,59E-04	0,00E+00	3,70E-02
Oil (Group 6)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,14E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,14E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	-2,03E+01	0,00E+00	6,74E-02	2,88E+01	0,00E+00	-7,20E+00
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 9 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 4)							
HWD	[kg]	2,50E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,50E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 5)							
HWD	[kg]	2,48E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,49E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Oil (Group 6)							
HWD	[kg]	2,47E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,49E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 10 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (22 mm oak 2-strip parquet and Twin herringbone; all surface treatments)			
Parameter	**Unit**	**At the factory gate**	
		2-strip parquet	**Twin hering bone**
Biogenic carbon content in product	kg C	4,23E+00	
Biogenic carbon content in accompanying packaging	kg C	1,36E-02	0,00E+00

Results for Group 7, 8 and 9 (14 mm beech and ash 2-strip parquet; all surface treatments)

Table 11 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (14 mm beech and ash 2-strip parquet; all surface treatments)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 7)							
GWP-total	kg CO_2 eq.	-1,23E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	6,85E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,92E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	2,74E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	1,05E-07	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	5,79E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	1,14E-03	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,57E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	2,06E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,28E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	6,36E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	9,43E+01	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	9,19E+00	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Lacquer 2 (Group 8)							
GWP-total	kg CO_2 eq.	-1,28E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	6,41E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,92E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	2,71E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	7,55E-08	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	5,59E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	9,31E-04	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,52E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	2,02E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,26E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	5,48E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	8,69E+01	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	6,39E+00	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Oil (Group 9)							
GWP-total	kg CO_2 eq.	-1,31E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	6,10E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,93E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	2,69E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	6,61E-08	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	5,43E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	7,39E-04	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,55E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	1,99E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,25E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	4,70E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	8,10E+01	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	2,36E+00	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 12 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (14 mm beech and ash 2-strip parquet; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 7)							
PM	[Disease incidence]	5,29E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	5,16E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	7,43E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	4,06E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	4,45E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,00E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Lacquer 2 (Group 8)							
PM	[Disease incidence]	5,01E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	4,71E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	6,63E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	3,81E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	4,39E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,00E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Oil (Group 9)							
PM	[Disease incidence]	4,80E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	4,39E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	6,02E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	3,69E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	4,37E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,00E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 13 - Parameters describing resource use

RESOURCE USE PER 1m² floor (14 mm beech and ash 2-strip parquet; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 7)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,28E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,28E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	2,63E-01	0,00E+00	8,99E-05	8,59E-04	0,00E+00	3,70E-02
Lacquer 2 (Group 8)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,20E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,20E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	1,94E-01	0,00E+00	8,99E-05	8,59E-04	0,00E+00	3,70E-02
Oil (Group 9)							
PERE	[MJ]	1,59E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PERM	[MJ]	2,79E+02	0,00E+00	0,00E+00	-2,79E+02	0,00E+00	2,79E+02
PERT	[MJ]	1,87E+03	0,00E+00	5,33E-02	1,72E+00	0,00E+00	-6,16E+01
PENRE	[MJ]	1,14E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,14E+02	0,00E+00	8,98E-01	9,37E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	-2,03E+01	0,00E+00	6,74E-02	2,88E+01	0,00E+00	-7,20E+00
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 14 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (14 mm beech and ash 2-strip parquet; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 7)							
HWD	[kg]	2,50E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,50E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 8)							
HWD	[kg]	2,48E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,49E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Oil (Group 9)							
HWD	[kg]	2,47E-06	0,00E+00	4,99E-08	1,62E-09	0,00E+00	-6,79E-08
NHWD	[kg]	3,49E-01	0,00E+00	7,56E-05	3,56E-03	0,00E+00	6,13E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,55E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 15 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (14 mm beech and ash 2-strip parquet; all surface treatments)		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	kg C	4,23E+00
Biogenic carbon content in accompanying packaging	kg C	1,65E-02

Results for Group 10, 11 and 12 (14 mm beech and ash Twin herringbone; all surface treatments)

Table 16 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (14 mm beech and ash Twin herringbone; all surface treatments)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 10)							
GWP-total	kg CO_2 eq.	-1,11E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	8,03E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,92E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	3,29E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	1,12E-07	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	6,73E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	1,19E-03	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,82E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	2,41E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,49E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	7,28E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	1,10E+02	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	1,06E+01	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Lacquer 2 (Group 11)							
GWP-total	kg CO_2 eq.	-1,17E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	7,52E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,92E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	3,26E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	7,78E-08	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	6,49E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	9,50E-04	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,77E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	2,36E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,48E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	6,25E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	1,02E+02	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	7,36E+00	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Oil (Group 12)							
GWP-total	kg CO_2 eq.	-1,21E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
GWP-fossil	kg CO_2 eq.	7,15E+00	0,00E+00	4,39E-02	5,22E-02	0,00E+00	-4,79E+00
GWP-biogenic	kg CO_2 eq.	-1,93E+01	0,00E+00	4,28E-04	1,92E+01	0,00E+00	-1,63E-02
GWP-luluc	kg CO_2 eq.	3,22E-02	0,00E+00	6,83E-04	9,31E-05	0,00E+00	-3,27E-03
ODP	kg CFC 11 eq.	6,68E-08	0,00E+00	8,25E-18	1,41E-15	0,00E+00	-4,89E-14
AP	mol H^+ eq.	6,30E-02	0,00E+00	2,74E-04	8,53E-05	0,00E+00	-2,62E-03
EP-freshwater	kg P eq.	7,26E-04	0,00E+00	6,50E-07	7,13E-07	0,00E+00	-2,50E-05
EP-marine	kg N eq.	1,80E-02	0,00E+00	1,32E-04	2,69E-05	0,00E+00	-1,10E-03
EP-terrestrial	mol N eq.	2,33E-01	0,00E+00	1,46E-03	2,71E-04	0,00E+00	-8,16E-03
POCP	kg NMVOC eq.	1,46E-01	0,00E+00	2,54E-04	6,68E-05	0,00E+00	-2,89E-03
ADPm[1]	kg Sb eq.	5,34E-06	0,00E+00	3,57E-09	2,53E-08	0,00E+00	-9,07E-07
ADPf[1]	MJ	9,48E+01	0,00E+00	5,97E-01	6,26E-01	0,00E+00	-7,15E+01
WDP[1]	m^3 world eq. deprived	2,64E+00	0,00E+00	9,99E-04	4,73E-03	0,00E+00	1,76E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use							
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 17 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (14 mm beech and ash Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 10)							
PM	[Disease incidence]	6,09E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	6,00E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	7,56E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	4,71E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	5,17E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,17E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Lacquer 2 (Group 11)							
PM	[Disease incidence]	5,77E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	5,46E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	6,63E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	4,41E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	5,11E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,17E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Oil (Group 12)							
PM	[Disease incidence]	5,53E-07	0,00E+00	1,01E-09	7,38E-10	0,00E+00	-2,37E-08
IRP[2]	[kBq U235 eq.]	5,08E-01	0,00E+00	1,83E-04	6,30E-03	0,00E+00	-1,88E-01
ETP-fw[1]	[CTUe]	5,91E+01	0,00E+00	4,34E-01	2,05E-01	0,00E+00	-5,78E+00
HTP-c[1]	[CTUh]	4,26E-09	0,00E+00	8,52E-12	2,52E-11	0,00E+00	-2,58E-09
HTP-nc[1]	[CTUh]	5,08E-07	0,00E+00	3,65E-10	2,96E-10	0,00E+00	-8,60E-09
SQP[1]	-	1,17E+04	0,00E+00	2,69E-01	6,71E-01	0,00E+00	-2,33E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 18 - Parameters describing resource use

RESOURCE USE PER 1m² floor (14 mm beech and ash Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 10)							
PERE	[MJ]	1,20E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PERM	[MJ]	1,86E+02	0,00E+00	0,00E+00	-1,86E+02	0,00E+00	1,86E+02
PERT	[MJ]	1,39E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PENRE	[MJ]	1,10E+02	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,10E+02	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	2,78E-01	0,00E+00	6,00E-05	5,74E-04	0,00E+00	2,47E-02
Lacquer 2 (Group 11)							
PERE	[MJ]	1,20E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PERM	[MJ]	1,86E+02	0,00E+00	0,00E+00	-1,86E+02	0,00E+00	1,86E+02
PERT	[MJ]	1,39E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PENRE	[MJ]	1,02E+02	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,02E+02	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	2,02E-01	0,00E+00	6,00E-05	5,74E-04	0,00E+00	2,47E-02
Oil (Group 12)							
PERE	[MJ]	1,20E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PERM	[MJ]	1,86E+02	0,00E+00	0,00E+00	-1,86E+02	0,00E+00	1,86E+02
PERT	[MJ]	1,39E+03	0,00E+00	3,56E-02	1,15E+00	0,00E+00	-4,12E+01
PENRE	[MJ]	9,49E+01	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	9,49E+01	0,00E+00	5,99E-01	6,26E-01	0,00E+00	-7,15E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	-1,21E+01	0,00E+00	4,50E-02	1,92E+01	0,00E+00	-4,80E+00
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 19 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (14 mm beech and ash Twin herringbone; all surface treatments)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 10)							
HWD	[kg]	1,88E-06	0,00E+00	3,33E-08	1,08E-09	0,00E+00	-4,54E-08
NHWD	[kg]	2,83E-01	0,00E+00	5,05E-05	2,38E-03	0,00E+00	4,09E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	2,80E-02	0,00E+00	0,00E+00	1,04E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 11)							
HWD	[kg]	1,87E-06	0,00E+00	3,33E-08	1,08E-09	0,00E+00	-4,54E-08
NHWD	[kg]	2,83E-01	0,00E+00	5,05E-05	2,38E-03	0,00E+00	4,09E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	2,80E-02	0,00E+00	0,00E+00	1,04E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Oil (Group 12)							
HWD	[kg]	1,85E-06	0,00E+00	3,33E-08	1,08E-09	0,00E+00	-4,54E-08
NHWD	[kg]	2,82E-01	0,00E+00	5,05E-05	2,38E-03	0,00E+00	4,09E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	2,80E-02	0,00E+00	0,00E+00	1,04E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 20 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m2 floor (14 mm beech and ash Twin herringbone; all surface treatments)		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	kg C	2,82E+00
Biogenic carbon content in accompanying packaging	kg C	0,00E+00

Results for Group 13 and 14 (22 mm beech and ash and marple 2-strip parquet; lacquer 1 and 2 surface treatment)

Table 21 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (22 mm beech and ash and maple 2-strip parquet; lacquer 1 and 2 surface treatment)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 13)							
GWP-total	kg CO_2 eq.	-2,01E+01	0,00E+00	6,58E-02	2,81E+01	0,00E+00	-7,02E+00
GWP-fossil	kg CO_2 eq.	7,92E+00	0,00E+00	6,41E-02	7,62E-02	0,00E+00	-6,99E+00
GWP-biogenic	kg CO_2 eq.	-2,81E+01	0,00E+00	6,25E-04	2,80E+01	0,00E+00	-2,38E-02
GWP-luluc	kg CO_2 eq.	3,74E-02	0,00E+00	9,98E-04	1,36E-04	0,00E+00	-4,78E-03
ODP	kg CFC 11 eq.	1,03E-07	0,00E+00	1,20E-17	2,05E-15	0,00E+00	-7,14E-14
AP	mol H^+ eq.	7,36E-02	0,00E+00	4,00E-04	1,25E-04	0,00E+00	-3,83E-03
EP-freshwater	kg P eq.	1,28E-03	0,00E+00	9,49E-07	1,04E-06	0,00E+00	-3,65E-05
EP-marine	kg N eq.	2,12E-02	0,00E+00	1,93E-04	3,93E-05	0,00E+00	-1,61E-03
EP-terrestrial	mol N eq.	2,54E-01	0,00E+00	2,13E-03	3,95E-04	0,00E+00	-1,19E-02
POCP	kg NMVOC eq.	1,65E-01	0,00E+00	3,71E-04	9,76E-05	0,00E+00	-4,22E-03
ADPm[1]	kg Sb eq.	6,75E-06	0,00E+00	5,22E-09	3,70E-08	0,00E+00	-1,33E-06
ADPf[1]	MJ	1,10E+02	0,00E+00	8,72E-01	9,14E-01	0,00E+00	-1,04E+02
WDP[1]	m^3 world eq. deprived	1,01E+01	0,00E+00	1,46E-03	6,92E-03	0,00E+00	2,57E+00
Lacquer 2 (Group 14)							
GWP-total	kg CO_2 eq.	-2,05E+01	0,00E+00	6,58E-02	2,81E+01	0,00E+00	-7,02E+00
GWP-fossil	kg CO_2 eq.	7,48E+00	0,00E+00	6,41E-02	7,62E-02	0,00E+00	-6,99E+00
GWP-biogenic	kg CO_2 eq.	-2,80E+01	0,00E+00	6,25E-04	2,80E+01	0,00E+00	-2,38E-02
GWP-luluc	kg CO_2 eq.	3,72E-02	0,00E+00	9,98E-04	1,36E-04	0,00E+00	-4,78E-03
ODP	kg CFC 11 eq.	7,39E-08	0,00E+00	1,20E-17	2,05E-15	0,00E+00	-7,14E-14
AP	mol H^+ eq.	7,16E-02	0,00E+00	4,00E-04	1,25E-04	0,00E+00	-3,83E-03
EP-freshwater	kg P eq.	1,07E-03	0,00E+00	9,49E-07	1,04E-06	0,00E+00	-3,65E-05
EP-marine	kg N eq.	2,07E-02	0,00E+00	1,93E-04	3,93E-05	0,00E+00	-1,61E-03
EP-terrestrial	mol N eq.	2,50E-01	0,00E+00	2,13E-03	3,95E-04	0,00E+00	-1,19E-02
POCP	kg NMVOC eq.	1,64E-01	0,00E+00	3,71E-04	9,76E-05	0,00E+00	-4,22E-03
ADPm[1]	kg Sb eq.	5,87E-06	0,00E+00	5,22E-09	3,70E-08	0,00E+00	-1,33E-06
ADPf[1]	MJ	1,03E+02	0,00E+00	8,72E-01	9,14E-01	0,00E+00	-1,04E+02
WDP[1]	m^3 world eq. deprived	7,32E+00	0,00E+00	1,46E-03	6,92E-03	0,00E+00	2,57E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 22 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (22 mm beech and ash and maple 2-strip parquet; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 13)							
PM	[Disease incidence]	6,57E-07	0,00E+00	1,47E-09	1,08E-09	0,00E+00	-3,46E-08
IRP[2]	[kBq U235 eq.]	5,48E-01	0,00E+00	2,68E-04	9,20E-03	0,00E+00	-2,75E-01
ETP-fw[1]	[CTUe]	8,34E+01	0,00E+00	6,34E-01	3,00E-01	0,00E+00	-8,44E+00
HTP-c[1]	[CTUh]	4,87E-09	0,00E+00	1,24E-11	3,68E-11	0,00E+00	-3,76E-09
HTP-nc[1]	[CTUh]	5,72E-07	0,00E+00	5,33E-10	4,33E-10	0,00E+00	-1,26E-08
SQP[1]	-	1,29E+04	0,00E+00	3,94E-01	9,81E-01	0,00E+00	-3,40E+01
Lacquer 2 (Group 14)							
PM	[Disease incidence]	6,29E-07	0,00E+00	1,47E-09	1,08E-09	0,00E+00	-3,46E-08
IRP[2]	[kBq U235 eq.]	5,02E-01	0,00E+00	2,68E-04	9,20E-03	0,00E+00	-2,75E-01
ETP-fw[1]	[CTUe]	7,54E+01	0,00E+00	6,34E-01	3,00E-01	0,00E+00	-8,44E+00
HTP-c[1]	[CTUh]	4,62E-09	0,00E+00	1,24E-11	3,68E-11	0,00E+00	-3,76E-09
HTP-nc[1]	[CTUh]	5,66E-07	0,00E+00	5,33E-10	4,33E-10	0,00E+00	-1,26E-08
SQP[1]	-	1,29E+04	0,00E+00	3,94E-01	9,81E-01	0,00E+00	-3,40E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 23 - Parameters describing resource use

RESOURCE USE PER 1m² floor (22 mm beech and ash and maple 2-strip parquet; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 13)							
PERE	[MJ]	1,27E+03	0,00E+00	5,20E-02	1,68E+00	0,00E+00	-6,01E+01
PERM	[MJ]	2,72E+02	0,00E+00	0,00E+00	-2,72E+02	0,00E+00	2,72E+02
PERT	[MJ]	1,54E+03	0,00E+00	5,20E-02	1,68E+00	0,00E+00	-6,01E+01
PENRE	[MJ]	1,10E+02	0,00E+00	8,76E-01	9,14E-01	0,00E+00	-1,04E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,10E+02	0,00E+00	8,76E-01	9,14E-01	0,00E+00	-1,04E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	2,63E-01	0,00E+00	8,76E-05	8,38E-04	0,00E+00	3,61E-02
Lacquer 2 (Group 14)							
PERE	[MJ]	1,27E+03	0,00E+00	5,20E-02	1,68E+00	0,00E+00	-6,01E+01
PERM	[MJ]	2,72E+02	0,00E+00	0,00E+00	-2,72E+02	0,00E+00	2,72E+02
PERT	[MJ]	1,54E+03	0,00E+00	5,20E-02	1,68E+00	0,00E+00	-6,01E+01
PENRE	[MJ]	1,03E+02	0,00E+00	8,76E-01	9,14E-01	0,00E+00	-1,04E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,03E+02	0,00E+00	8,76E-01	9,14E-01	0,00E+00	-1,04E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	1,97E-01	0,00E+00	8,76E-05	8,38E-04	0,00E+00	3,61E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 24 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (22 mm beech and ash and maple 2-strip parquet; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 13)							
HWD	[kg]	2,20E-06	0,00E+00	4,86E-08	1,58E-09	0,00E+00	-6,62E-08
NHWD	[kg]	3,10E-01	0,00E+00	7,38E-05	3,47E-03	0,00E+00	5,98E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	1,33E-01	0,00E+00	0,00E+00	1,51E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 14)							
HWD	[kg]	2,19E-06	0,00E+00	4,86E-08	1,58E-09	0,00E+00	-6,62E-08
NHWD	[kg]	3,10E-01	0,00E+00	7,38E-05	3,47E-03	0,00E+00	5,98E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	1,33E-01	0,00E+00	0,00E+00	1,51E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 25 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (22 mm beech and ash and maple 2-strip parquet; lacquer 1 and 2 surface treatment)		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	kg C	4,12E+00
Biogenic carbon content in accompanying packaging	kg C	1,65E-02

Results for Group 15 and 16 (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)

Table 26 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 15)							
GWP-total	kg CO_2 eq.	-1,96E+01	0,00E+00	6,71E-02	2,86E+01	0,00E+00	-7,16E+00
GWP-fossil	kg CO_2 eq.	9,02E+00	0,00E+00	6,54E-02	7,78E-02	0,00E+00	-7,13E+00
GWP-biogenic	kg CO_2 eq.	-2,86E+01	0,00E+00	6,37E-04	2,86E+01	0,00E+00	-2,43E-02
GWP-luluc	kg CO_2 eq.	4,18E-02	0,00E+00	1,02E-03	1,39E-04	0,00E+00	-4,87E-03
ODP	kg CFC 11 eq.	1,07E-07	0,00E+00	1,23E-17	2,10E-15	0,00E+00	-7,29E-14
AP	mol H^+ eq.	7,90E-02	0,00E+00	4,08E-04	1,27E-04	0,00E+00	-3,91E-03
EP-freshwater	kg P eq.	1,25E-03	0,00E+00	9,69E-07	1,06E-06	0,00E+00	-3,72E-05
EP-marine	kg N eq.	2,29E-02	0,00E+00	1,97E-04	4,01E-05	0,00E+00	-1,64E-03
EP-terrestrial	mol N eq.	2,82E-01	0,00E+00	2,17E-03	4,04E-04	0,00E+00	-1,22E-02
POCP	kg NMVOC eq.	1,93E-01	0,00E+00	3,78E-04	9,96E-05	0,00E+00	-4,30E-03
ADPm[1]	kg Sb eq.	7,33E-06	0,00E+00	5,32E-09	3,77E-08	0,00E+00	-1,35E-06
ADPf[1]	MJ	1,24E+02	0,00E+00	8,90E-01	9,32E-01	0,00E+00	-1,07E+02
WDP[1]	m^3 world eq. deprived	1,08E+01	0,00E+00	1,49E-03	7,06E-03	0,00E+00	2,62E+00
Lacquer 2 (Group 16)							
GWP-total	kg CO_2 eq.	-2,00E+01	0,00E+00	6,71E-02	2,86E+01	0,00E+00	-7,16E+00
GWP-fossil	kg CO_2 eq.	8,53E+00	0,00E+00	6,54E-02	7,78E-02	0,00E+00	-7,13E+00
GWP-biogenic	kg CO_2 eq.	-2,86E+01	0,00E+00	6,37E-04	2,86E+01	0,00E+00	-2,43E-02
GWP-luluc	kg CO_2 eq.	4,15E-02	0,00E+00	1,02E-03	1,39E-04	0,00E+00	-4,87E-03
ODP	kg CFC 11 eq.	7,41E-08	0,00E+00	1,23E-17	2,10E-15	0,00E+00	-7,29E-14
AP	mol H^+ eq.	7,67E-02	0,00E+00	4,08E-04	1,27E-04	0,00E+00	-3,91E-03
EP-freshwater	kg P eq.	1,02E-03	0,00E+00	9,69E-07	1,06E-06	0,00E+00	-3,72E-05
EP-marine	kg N eq.	2,24E-02	0,00E+00	1,97E-04	4,01E-05	0,00E+00	-1,64E-03
EP-terrestrial	mol N eq.	2,78E-01	0,00E+00	2,17E-03	4,04E-04	0,00E+00	-1,22E-02
POCP	kg NMVOC eq.	1,91E-01	0,00E+00	3,78E-04	9,96E-05	0,00E+00	-4,30E-03
ADPm[1]	kg Sb eq.	6,35E-06	0,00E+00	5,32E-09	3,77E-08	0,00E+00	-1,35E-06
ADPf[1]	MJ	1,16E+02	0,00E+00	8,90E-01	9,32E-01	0,00E+00	-1,07E+02
WDP[1]	m^3 world eq. deprived	7,66E+00	0,00E+00	1,49E-03	7,06E-03	0,00E+00	2,62E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 27 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 15)							
PM	[Disease incidence]	7,14E-07	0,00E+00	1,50E-09	1,10E-09	0,00E+00	-3,53E-08
IRP[2]	[kBq U235 eq.]	6,19E-01	0,00E+00	2,73E-04	9,39E-03	0,00E+00	-2,80E-01
ETP-fw[1]	[CTUe]	8,50E+01	0,00E+00	6,47E-01	3,06E-01	0,00E+00	-8,61E+00
HTP-c[1]	[CTUh]	5,25E-09	0,00E+00	1,27E-11	3,76E-11	0,00E+00	-3,84E-09
HTP-nc[1]	[CTUh]	6,51E-07	0,00E+00	5,44E-10	4,42E-10	0,00E+00	-1,28E-08
SQP[1]	-	1,52E+04	0,00E+00	4,02E-01	1,00E+00	0,00E+00	-3,47E+01
Lacquer 2 (Group 16)							
PM	[Disease incidence]	6,83E-07	0,00E+00	1,50E-09	1,10E-09	0,00E+00	-3,53E-08
IRP[2]	[kBq U235 eq.]	5,68E-01	0,00E+00	2,73E-04	9,39E-03	0,00E+00	-2,80E-01
ETP-fw[1]	[CTUe]	7,60E+01	0,00E+00	6,47E-01	3,06E-01	0,00E+00	-8,61E+00
HTP-c[1]	[CTUh]	4,97E-09	0,00E+00	1,27E-11	3,76E-11	0,00E+00	-3,84E-09
HTP-nc[1]	[CTUh]	6,44E-07	0,00E+00	5,44E-10	4,42E-10	0,00E+00	-1,28E-08
SQP[1]	-	1,52E+04	0,00E+00	4,02E-01	1,00E+00	0,00E+00	-3,47E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 28 - Parameters describing resource use

RESOURCE USE PER 1m² floor (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 15)							
PERE	[MJ]	1,52E+03	0,00E+00	5,31E-02	1,72E+00	0,00E+00	-6,13E+01
PERM	[MJ]	2,78E+02	0,00E+00	0,00E+00	-2,78E+02	0,00E+00	2,78E+02
PERT	[MJ]	1,79E+03	0,00E+00	5,31E-02	1,72E+00	0,00E+00	-6,13E+01
PENRE	[MJ]	1,24E+02	0,00E+00	8,93E-01	9,32E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,24E+02	0,00E+00	8,93E-01	9,32E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	2,82E-01	0,00E+00	8,94E-05	8,55E-04	0,00E+00	3,68E-02
Lacquer 2 (Group 16)							
PERE	[MJ]	1,52E+03	0,00E+00	5,31E-02	1,72E+00	0,00E+00	-6,13E+01
PERM	[MJ]	2,78E+02	0,00E+00	0,00E+00	-2,78E+02	0,00E+00	2,78E+02
PERT	[MJ]	1,79E+03	0,00E+00	5,31E-02	1,72E+00	0,00E+00	-6,13E+01
PENRE	[MJ]	1,16E+02	0,00E+00	8,93E-01	9,32E-01	0,00E+00	-1,07E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,16E+02	0,00E+00	8,93E-01	9,32E-01	0,00E+00	-1,07E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	2,10E-01	0,00E+00	8,94E-05	8,55E-04	0,00E+00	3,68E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 29 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Lacquer 1 (Group 13)							
HWD	[kg]	2,47E-06	0,00E+00	4,96E-08	1,62E-09	0,00E+00	-6,76E-08
NHWD	[kg]	3,22E-01	0,00E+00	7,53E-05	3,54E-03	0,00E+00	6,10E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	3,30E-02	0,00E+00	0,00E+00	1,54E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Lacquer 2 (Group 14)							
HWD	[kg]	2,46E-06	0,00E+00	4,96E-08	1,62E-09	0,00E+00	-6,76E-08
NHWD	[kg]	3,21E-01	0,00E+00	7,53E-05	3,54E-03	0,00E+00	6,10E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	3,30E-02	0,00E+00	0,00E+00	1,54E+01	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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 30 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (22 mm beech and ash Twin herringbone; lacquer 1 and 2 surface treatment)		
Parameter	**Unit**	**At the factory gate**
Biogenic carbon content in product	kg C	4,21E+00
Biogenic carbon content in accompanying packaging	kg C	0,00E+00

Results for Group 17, 18 and 19 (22 mm beech and ash 2-strip parquet and Twin herringbone; oil surface treatment)

Table 31 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (22 mm 2-strip parquet and Twin herringbone, beech and ash and maple; oil surface treatment)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Beech oil (Group 17)							
GWP-total	kg CO_2 eq.	-2,25E+01	0,00E+00	7,11E-02	3,04E+01	0,00E+00	-7,59E+00
GWP-fossil	kg CO_2 eq.	7,86E+00	0,00E+00	6,94E-02	8,25E-02	0,00E+00	-7,56E+00
GWP-biogenic	kg CO_2 eq.	-3,04E+01	0,00E+00	6,75E-04	3,03E+01	0,00E+00	-2,58E-02
GWP-luluc	kg CO_2 eq.	4,03E-02	0,00E+00	1,08E-03	1,47E-04	0,00E+00	-5,17E-03
ODP	kg CFC 11 eq.	6,39E-08	0,00E+00	1,30E-17	2,22E-15	0,00E+00	-7,72E-14
AP	mol H^+ eq.	7,41E-02	0,00E+00	4,32E-04	1,35E-04	0,00E+00	-4,14E-03
EP-freshwater	kg P eq.	8,42E-04	0,00E+00	1,03E-06	1,13E-06	0,00E+00	-3,95E-05
EP-marine	kg N eq.	2,26E-02	0,00E+00	2,08E-04	4,25E-05	0,00E+00	-1,74E-03
EP-terrestrial	mol N eq.	2,70E-01	0,00E+00	2,30E-03	4,28E-04	0,00E+00	-1,29E-02
POCP	kg NMVOC eq.	1,89E-01	0,00E+00	4,01E-04	1,06E-04	0,00E+00	-4,56E-03
ADPm[1]	kg Sb eq.	5,23E-06	0,00E+00	5,64E-09	4,00E-08	0,00E+00	-1,43E-06
ADPf[1]	MJ	1,06E+02	0,00E+00	9,43E-01	9,88E-01	0,00E+00	-1,13E+02
WDP[1]	m^3 world eq. deprived	3,81E+00	0,00E+00	1,58E-03	7,48E-03	0,00E+00	2,78E+00
Ash oil (Group 18)							
GWP-total	kg CO_2 eq.	-1,93E+01	0,00E+00	6,31E-02	2,69E+01	0,00E+00	-6,73E+00
GWP-fossil	kg CO_2 eq.	7,60E+00	0,00E+00	6,15E-02	7,31E-02	0,00E+00	-6,70E+00
GWP-biogenic	kg CO_2 eq.	-2,70E+01	0,00E+00	5,99E-04	2,69E+01	0,00E+00	-2,29E-02
GWP-luluc	kg CO_2 eq.	3,63E-02	0,00E+00	9,57E-04	1,30E-04	0,00E+00	-4,58E-03
ODP	kg CFC 11 eq.	6,43E-08	0,00E+00	1,16E-17	1,97E-15	0,00E+00	-6,85E-14
AP	mol H^+ eq.	6,83E-02	0,00E+00	3,83E-04	1,19E-04	0,00E+00	-3,67E-03
EP-freshwater	kg P eq.	7,92E-04	0,00E+00	9,11E-07	9,99E-07	0,00E+00	-3,50E-05
EP-marine	kg N eq.	2,04E-02	0,00E+00	1,85E-04	3,77E-05	0,00E+00	-1,54E-03
EP-terrestrial	mol N eq.	2,49E-01	0,00E+00	2,04E-03	3,79E-04	0,00E+00	-1,14E-02
POCP	kg NMVOC eq.	1,71E-01	0,00E+00	3,56E-04	9,36E-05	0,00E+00	-4,05E-03
ADPm[1]	kg Sb eq.	5,25E-06	0,00E+00	5,00E-09	3,55E-08	0,00E+00	-1,27E-06
ADPf[1]	MJ	1,02E+02	0,00E+00	8,37E-01	8,76E-01	0,00E+00	-1,00E+02
WDP[1]	m^3 world eq. deprived	2,30E+00	0,00E+00	1,40E-03	6,63E-03	0,00E+00	2,47E+00
Maple Oil (Group 19)							
GWP-total	kg CO_2 eq.	-1,00E+01	0,00E+00	3,15E-02	1,35E+01	0,00E+00	-3,37E+00
GWP-fossil	kg CO_2 eq.	3,47E+00	0,00E+00	3,08E-02	3,66E-02	0,00E+00	-3,35E+00
GWP-biogenic	kg CO_2 eq.	-1,35E+01	0,00E+00	3,00E-04	1,34E+01	0,00E+00	-1,14E-02
GWP-luluc	kg CO_2 eq.	1,99E-02	0,00E+00	4,79E-04	6,52E-05	0,00E+00	-2,29E-03
ODP	kg CFC 11 eq.	3,23E-08	0,00E+00	5,78E-18	9,85E-16	0,00E+00	-3,42E-14
AP	mol H^+ eq.	3,75E-02	0,00E+00	1,92E-04	5,97E-05	0,00E+00	-1,84E-03
EP-freshwater	kg P eq.	4,94E-04	0,00E+00	4,55E-07	5,00E-07	0,00E+00	-1,75E-05
EP-marine	kg N eq.	1,11E-02	0,00E+00	9,24E-05	1,88E-05	0,00E+00	-7,70E-04
EP-terrestrial	mol N eq.	1,26E-01	0,00E+00	1,02E-03	1,90E-04	0,00E+00	-5,72E-03
POCP	kg NMVOC eq.	7,40E-02	0,00E+00	1,78E-04	4,68E-05	0,00E+00	-2,02E-03
ADPm[1]	kg Sb eq.	2,63E-06	0,00E+00	2,50E-09	1,77E-08	0,00E+00	-6,36E-07
ADPf[1]	MJ	4,65E+01	0,00E+00	4,18E-01	4,38E-01	0,00E+00	-5,01E+01
WDP[1]	m^3 world eq. deprived	1,98E+00	0,00E+00	6,99E-04	3,32E-03	0,00E+00	1,23E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use							
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 32 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² (22 mm 2-strip parquet and Twin herringbone, beech and ash and maple; oil surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Beech oil (Group 17)							
PM	[Disease incidence]	6,55E-07	0,00E+00	1,59E-09	1,17E-09	0,00E+00	-3,74E-08
IRP[2]	[kBq U235 eq.]	4,95E-01	0,00E+00	2,89E-04	9,95E-03	0,00E+00	-2,97E-01
ETP-fw[1]	[CTUe]	7,18E+01	0,00E+00	6,85E-01	3,24E-01	0,00E+00	-9,12E+00
HTP-c[1]	[CTUh]	4,69E-09	0,00E+00	1,35E-11	3,98E-11	0,00E+00	-4,07E-09
HTP-nc[1]	[CTUh]	6,36E-07	0,00E+00	5,76E-10	4,68E-10	0,00E+00	-1,36E-08
SQP[1]	-	1,53E+04	0,00E+00	4,26E-01	1,06E+00	0,00E+00	-3,68E+01
Ash oil (Group 18)							
PM	[Disease incidence]	6,04E-07	0,00E+00	1,41E-09	1,03E-09	0,00E+00	-3,32E-08
IRP[2]	[kBq U235 eq.]	5,15E-01	0,00E+00	2,57E-04	8,82E-03	0,00E+00	-2,63E-01
ETP-fw[1]	[CTUe]	6,80E+01	0,00E+00	6,08E-01	2,87E-01	0,00E+00	-8,09E+00
HTP-c[1]	[CTUh]	4,53E-09	0,00E+00	1,19E-11	3,53E-11	0,00E+00	-3,61E-09
HTP-nc[1]	[CTUh]	5,86E-07	0,00E+00	5,11E-10	4,15E-10	0,00E+00	-1,20E-08
SQP[1]	-	1,37E+04	0,00E+00	3,78E-01	9,41E-01	0,00E+00	-3,26E+01
Maple Oil (Group 19)							
PM	[Disease incidence]	3,13E-07	0,00E+00	7,05E-10	5,17E-10	0,00E+00	-1,66E-08
IRP[2]	[kBq U235 eq.]	2,26E-01	0,00E+00	1,28E-04	4,41E-03	0,00E+00	-1,32E-01
ETP-fw[1]	[CTUe]	3,34E+01	0,00E+00	3,04E-01	1,44E-01	0,00E+00	-4,05E+00
HTP-c[1]	[CTUh]	2,35E-09	0,00E+00	5,97E-12	1,77E-11	0,00E+00	-1,80E-09
HTP-nc[1]	[CTUh]	2,67E-07	0,00E+00	2,56E-10	2,08E-10	0,00E+00	-6,02E-09
SQP[1]	-	5,68E+03	0,00E+00	1,89E-01	4,70E-01	0,00E+00	-1,63E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 33 - Parameters describing resource use

RESOURCE USE PER 1m² floor (22 mm 2-strip parquet and Twin herringbone, beech and ash and maple; oil surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Beech oil (Group 17)							
PERE	[MJ]	1,50E+03	0,00E+00	5,63E-02	1,82E+00	0,00E+00	-6,50E+01
PERM	[MJ]	2,94E+02	0,00E+00	0,00E+00	-2,94E+02	0,00E+00	2,94E+02
PERT	[MJ]	1,80E+03	0,00E+00	5,63E-02	1,82E+00	0,00E+00	-6,50E+01
PENRE	[MJ]	1,06E+02	0,00E+00	9,47E-01	9,88E-01	0,00E+00	-1,13E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,06E+02	0,00E+00	9,47E-01	9,88E-01	0,00E+00	-1,13E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	1,17E-01	0,00E+00	9,48E-05	9,06E-04	0,00E+00	3,90E-02
Ash oil (Group 18)							
PERE	[MJ]	1,35E+03	0,00E+00	4,99E-02	1,61E+00	0,00E+00	-5,77E+01
PERM	[MJ]	2,61E+02	0,00E+00	0,00E+00	-2,61E+02	0,00E+00	2,61E+02
PERT	[MJ]	1,61E+03	0,00E+00	4,99E-02	1,61E+00	0,00E+00	-5,77E+01
PENRE	[MJ]	1,02E+02	0,00E+00	8,40E-01	8,77E-01	0,00E+00	-1,00E+02
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,02E+02	0,00E+00	8,40E-01	8,77E-01	0,00E+00	-1,00E+02
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	8,40E-02	0,00E+00	8,41E-05	8,03E-04	0,00E+00	3,46E-02
Maple Oil (Group 19)							
PERE	[MJ]	5,72E+02	0,00E+00	2,49E-02	8,06E-01	0,00E+00	-2,88E+01
PERM	[MJ]	1,31E+02	0,00E+00	0,00E+00	-1,31E+02	0,00E+00	1,31E+02
PERT	[MJ]	7,02E+02	0,00E+00	2,49E-02	8,06E-01	0,00E+00	-2,88E+01
PENRE	[MJ]	4,66E+01	0,00E+00	4,20E-01	4,38E-01	0,00E+00	-5,01E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	4,66E+01	0,00E+00	4,20E-01	4,38E-01	0,00E+00	-5,01E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	-1,00E+01	0,00E+00	3,15E-02	1,35E+01	0,00E+00	-3,37E+00
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 34 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (22 mm 2-strip parquet and Twin herringbone, beech and ash and maple; oil surface treatment)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
Beech oil (Group 17)							
HWD	[kg]	2,42E-06	0,00E+00	5,26E-08	1,71E-09	0,00E+00	-7,16E-08
NHWD	[kg]	3,13E-01	0,00E+00	7,98E-05	3,76E-03	0,00E+00	6,46E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,64E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Ash oil (Group 18)							
HWD	[kg]	2,13E-06	0,00E+00	4,66E-08	1,52E-09	0,00E+00	-6,35E-08
NHWD	[kg]	2,98E-01	0,00E+00	7,08E-05	3,33E-03	0,00E+00	5,73E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	8,30E-02	0,00E+00	0,00E+00	1,45E+01	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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Maple Oil (Group 19)							
HWD	[kg]	1,16E-06	0,00E+00	2,33E-08	7,60E-10	0,00E+00	-3,18E-08
NHWD	[kg]	1,73E-01	0,00E+00	3,54E-05	1,67E-03	0,00E+00	2,87E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	6,65E-02	0,00E+00	0,00E+00	7,25E+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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 35 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (22 mm 2-strip parquet and Twin herringbone, beech and ash and maple; oil surface treatment)				
Parameter	**Unit**	**At the factory gate**		
		Twin hering bone Beech	**Twin hering bone Ash**	**Twin hering bone Maple**
Biogenic carbon content in product	kg C	4,46E+00	3,95E+00	1,98E+00
Biogenic carbon content in accompanying packaging	kg C	0,00E+00	0,00E+00	0,00E+00

Results for Group 20 and 21 (22 mm and 15 mm oak single staves)0

Table 36 - Core environmental impact indicators

ENVIRONMENTAL IMPACTS PER 1m² floor (22 mm and 15 mm oak single staves)							
Indicator	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
22 mm (Group 20)							
GWP-total	kg CO_2 eq.	-1,23E+01	0,00E+00	3,37E-02	1,44E+01	0,00E+00	-3,60E+00
GWP-fossil	kg CO_2 eq.	2,04E+00	0,00E+00	3,29E-02	3,91E-02	0,00E+00	-3,58E+00
GWP-biogenic	kg CO_2 eq.	-1,44E+01	0,00E+00	3,20E-04	1,44E+01	0,00E+00	-1,22E-02
GWP-luluc	kg CO_2 eq.	1,21E-02	0,00E+00	5,12E-04	6,97E-05	0,00E+00	-2,45E-03
ODP	kg CFC 11 eq.	2,14E-14	0,00E+00	6,18E-18	1,05E-15	0,00E+00	-3,66E-14
AP	mol H^+ eq.	1,69E-02	0,00E+00	2,05E-04	6,39E-05	0,00E+00	-1,96E-03
EP-freshwater	kg P eq.	1,30E-04	0,00E+00	4,87E-07	5,34E-07	0,00E+00	-1,87E-05
EP-marine	kg N eq.	6,27E-03	0,00E+00	9,88E-05	2,01E-05	0,00E+00	-8,23E-04
EP-terrestrial	mol N eq.	6,00E-02	0,00E+00	1,09E-03	2,03E-04	0,00E+00	-6,11E-03
POCP	kg NMVOC eq.	5,80E-02	0,00E+00	1,90E-04	5,00E-05	0,00E+00	-2,16E-03
ADPm[1]	kg Sb eq.	6,84E-07	0,00E+00	2,67E-09	1,90E-08	0,00E+00	-6,79E-07
ADPf[1]	MJ	2,79E+01	0,00E+00	4,47E-01	4,68E-01	0,00E+00	-5,35E+01
WDP[1]	m^3 world eq. deprived	4,73E-01	0,00E+00	7,48E-04	3,55E-03	0,00E+00	1,32E+00
15 mm (Group 21)							
GWP-total	kg CO_2 eq.	-9,30E+00	0,00E+00	2,62E-02	1,12E+01	0,00E+00	-2,80E+00
GWP-fossil	kg CO_2 eq.	1,86E+00	0,00E+00	2,56E-02	3,04E-02	0,00E+00	-2,79E+00
GWP-biogenic	kg CO_2 eq.	-1,12E+01	0,00E+00	2,49E-04	1,12E+01	0,00E+00	-9,51E-03
GWP-luluc	kg CO_2 eq.	1,10E-02	0,00E+00	3,98E-04	5,42E-05	0,00E+00	-1,90E-03
ODP	kg CFC 11 eq.	2,05E-14	0,00E+00	4,81E-18	8,19E-16	0,00E+00	-2,85E-14
AP	mol H^+ eq.	1,58E-02	0,00E+00	1,59E-04	4,97E-05	0,00E+00	-1,53E-03
EP-freshwater	kg P eq.	1,30E-04	0,00E+00	3,79E-07	4,16E-07	0,00E+00	-1,46E-05
EP-marine	kg N eq.	5,79E-03	0,00E+00	7,69E-05	1,57E-05	0,00E+00	-6,41E-04
EP-terrestrial	mol N eq.	5,45E-02	0,00E+00	8,49E-04	1,58E-04	0,00E+00	-4,75E-03
POCP	kg NMVOC eq.	5,15E-02	0,00E+00	1,48E-04	3,89E-05	0,00E+00	-1,68E-03
ADPm[1]	kg Sb eq.	6,64E-07	0,00E+00	2,08E-09	1,47E-08	0,00E+00	-5,29E-07
ADPf[1]	MJ	2,53E+01	0,00E+00	3,48E-01	3,64E-01	0,00E+00	-4,17E+01
WDP[1]	m^3 world eq. deprived	4,65E-01	0,00E+00	5,82E-04	2,76E-03	0,00E+00	1,03E+00
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidifcation; EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use						
Disclaimer	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.						

Table 37 – Additional environmental impact indicators

ADDITIONAL ENVIRONMENTAL IMPACTS PER PER 1m² floor (22 mm and 15 mm oak single staves)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
22 mm (Group 20)							
PM	[Disease incidence]	1,54E-07	0,00E+00	7,53E-10	5,52E-10	0,00E+00	-1,77E-08
IRP[2]	[kBq U235 eq.]	1,16E-01	0,00E+00	1,37E-04	4,72E-03	0,00E+00	-1,41E-01
ETP-fw[1]	[CTUe]	1,67E+01	0,00E+00	3,25E-01	1,54E-01	0,00E+00	-4,32E+00
HTP-c[1]	[CTUh]	1,11E-09	0,00E+00	6,38E-12	1,89E-11	0,00E+00	-1,93E-09
HTP-nc[1]	[CTUh]	1,83E-07	0,00E+00	2,73E-10	2,22E-10	0,00E+00	-6,44E-09
SQP[1]	-	4,72E+03	0,00E+00	2,02E-01	5,03E-01	0,00E+00	-1,74E+01
15 mm (Group 21)							
PM	[Disease incidence]	1,42E-07	0,00E+00	5,86E-10	4,30E-10	0,00E+00	-1,38E-08
IRP[2]	[kBq U235 eq.]	1,10E-01	0,00E+00	1,07E-04	3,67E-03	0,00E+00	-1,10E-01
ETP-fw[1]	[CTUe]	1,49E+01	0,00E+00	2,53E-01	1,19E-01	0,00E+00	-3,37E+00
HTP-c[1]	[CTUh]	1,05E-09	0,00E+00	4,96E-12	1,47E-11	0,00E+00	-1,50E-09
HTP-nc[1]	[CTUh]	1,64E-07	0,00E+00	2,13E-10	1,73E-10	0,00E+00	-5,01E-09
SQP[1]	-	4,18E+03	0,00E+00	1,57E-01	3,91E-01	0,00E+00	-1,36E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality						
Disclaimers	[1] The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. [2] This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.						

Table 38 - Parameters describing resource use

RESOURCE USE PER 1m² floor (22 mm and 15 mm oak single staves)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
22 mm (Group 20)							
PERE	[MJ]	4,10E+02	0,00E+00	2,67E-02	8,62E-01	0,00E+00	-3,08E+01
PERM	[MJ]	1,40E+02	0,00E+00	0,00E+00	-1,40E+02	0,00E+00	1,40E+02
PERT	[MJ]	5,49E+02	0,00E+00	2,67E-02	8,62E-01	0,00E+00	-3,08E+01
PENRE	[MJ]	2,79E+01	0,00E+00	4,49E-01	4,68E-01	0,00E+00	-5,35E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	2,79E+01	0,00E+00	4,49E-01	4,68E-01	0,00E+00	-5,35E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	1,85E-02	0,00E+00	4,49E-05	4,29E-04	0,00E+00	1,85E-02
15 mm (Group 21)							
PERE	[MJ]	3,83E+02	0,00E+00	2,07E-02	6,70E-01	0,00E+00	-2,40E+01
PERM	[MJ]	1,09E+02	0,00E+00	0,00E+00	-1,09E+02	0,00E+00	1,09E+02
PERT	[MJ]	4,91E+02	0,00E+00	2,07E-02	6,70E-01	0,00E+00	-2,40E+01
PENRE	[MJ]	2,53E+01	0,00E+00	3,49E-01	3,65E-01	0,00E+00	-4,17E+01
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	2,53E+01	0,00E+00	3,49E-01	3,65E-01	0,00E+00	-4,17E+01
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m^3]	1,80E-02	0,00E+00	3,50E-05	3,34E-04	0,00E+00	1,44E-02
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water						

Table 39 – End-of-life (waste categories and output flows)

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m² floor (22 mm and 15 mm oak single staves)							
Parameter	**Unit**	**A1-A3**	**C1**	**C2**	**C3**	**C4**	**D**
22 mm (Group 20)							
HWD	[kg]	7,42E-07	0,00E+00	2,49E-08	8,12E-10	0,00E+00	-3,40E-08
NHWD	[kg]	7,75E-02	0,00E+00	3,78E-05	1,78E-03	0,00E+00	3,06E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	1,65E-02	0,00E+00	0,00E+00	7,75E+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
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
15 mm (Group 21)							
HWD	[kg]	6,72E-07	0,00E+00	1,94E-08	6,32E-10	0,00E+00	-2,64E-08
NHWD	[kg]	7,65E-02	0,00E+00	2,94E-05	1,39E-03	0,00E+00	2,38E-02
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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
MER	[kg]	1,45E-02	0,00E+00	0,00E+00	6,03E+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
EET	[MJ]	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 re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy						

Table 40 – Biogenic carbon content at factory gate

BIOGENIC CARBON CONTENT PER 1m² floor (22 mm and 15 mm oak single staves)			
Parameter	**Unit**	**At the factory gate**	
		Single Stave 22mm	**Single Stave 15mm**
Biogenic carbon content in product	kg C	2,11E+00	1,64E+00
Biogenic carbon content in accompanying packaging	kg C	0,00E+00	0,00E+00

Additional information

Technical information on scenarios

End of life (C1-C4)

Scenario information	Value	Unit
Collected separately	0	kg
Collected with mixed waste	0	kg
For reuse	0	kg
For recycling	0	kg
For energy recovery	100	%
For final disposal	0	kg
Assumptions for scenario development	n/a	As appropriate

Re-use, recovery and recycling potential (D)

Scenario information/Materiel	Value	Unit
Use as secondary fuel for heat and electricity production	100	%

Indoor air

The EPD does not give information on release of dangerous substances to indoor air because the horizontal standards on measurement of release of regulated dangerous substances from construction products using harmonised test methods according to the provisions of the respective technical committees for European product standards are not available.

The products have been tested and approved by Danish Indoor Climate Labelling. The certificates can be found here:

Indoor Climate certificate, oiled floors

Indoor Climate certificate, lacquered floors

Soil and water

The EPD does not give information on release of dangerous substances to soil and water because the horizontal standards on measurement of release of regulated dangerous substances from construction products using harmonised test methods according to the provisions of the respective technical committees for European product standards are not available.

References

Publisher	epddanmark www.epddanmark.dk
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LCA-practitioner	*Jonathan Klement and Yevgeniya Arushanyan* *Ramboll Sweden AB* *Krukmakargatan,21* *10462 Stockholm* *e-mail:* yevgeniya.arushanyan@ramboll.se *e-mail:* jonathan.klement@ramboll.se
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3rd party verifier	*Guangli Du* *Aalborg University (Copenhagen)* *A.C. Meyers Vænge 15,* *DK 2450 København SV* *e-mail:* gdu@build.aau.dk

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

EN 16485
EN 16485 Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction

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

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

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

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