

Owner: P.A. Savværk A/S
No.: MD-23206-EN
Issued: 18-12-2024
Valid to: 18-12-2029

3rd PARTY VERIFIED

EPD

VERIFIED ENVIRONMENTAL PRODUCT DECLARATION | ISO 14025 & EN 15804



Owner of declaration
 P.A. Savværk A/S
 Kaj Lykkesvej 13
 5600 Faaborg, Denmark
 VAT no. DK-87124118



Issued:
18-12-2024

Valid to:
18-12-2029

Programme
 EPD Danmark
www.epddanmark.dk



- Industry EPD
- Product EPD

Declared product(s)
 Plank floors Ash 22mm and 30mm (untreated)
 Plank floors Oak 22mm and 30mm (untreated).
 Plank floors Douglas 30mm and 35mm (untreated)
 Plank floors Nordic Pine 30mm and 35 mm (untreated)
 Plank floors Pitch Pine 20mm and 26mm (untreated)
 Plank floors Pomeranian Pine 30mm and 35mm (untreated)

The declared products are grouped into six groups based on wood type. The EPD covers four scenarios for installation of each of the declared products.

Number of declared datasets/product variations: 24

Production site
 Kaj Lykkesvej 13, 5600 Faaborg, Denmark.
 The declared products are manufactured using certified green electricity.

Product(s) use
 Plank floors for indoor application.

Declared/ functional unit
 1 kg of planks floors installed for indoor application and specified characteristics according to EN 14342 with a reference service life (RSL) of 100 years.

Year of production site data (A3)
 2022

EPD version
 1st version.

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:


 Kim Christiansen


 Martha Katrine Sørensen
 EPD Danmark

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

Product			Construction process		Use								End of life				Beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport	Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Re-use, recovery and recycling potential	
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Product information

Product description

The main product components are shown in the table below.

Material	Weight-% of declared product
Wood	>99%
Fillers	<1%
SUM	100%

The chain of custody and controlled wood system of the manufacturer has been assessed and certified as meeting the requirements of FSC (FSC-STD-40-003 V2-1, FSC-STD-40-004 V3-1, FSC-STD-40-005 V3-1, and FSCSTD-50-001 V2-1 EN). The wood hence originates from forests that are operating under established certification schemes for responsible forest management in accordance with FSC.

Product packaging:

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

Material	Weight-% of packaging
Plastic	84%
Steel	16%
SUM	100%

Representativity

This declaration, including data collection and the modeled foreground system including results, represents the production of 1kg of plank floors on the production site located in Faaborg, Denmark. Product specific data are based on average values collected in the period 2022. Background data are based on the LCA for Experts database version 2023.2 and EcoInvent 3.8. The background data are less than 10 years old. Generally, the used background datasets are of high quality, and the majority of the datasets are only a couple of years old.

Hazardous substances

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

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

Essential characteristics

The declared products are CE marked and comply with the technical specifications covered by the harmonized European standard EN14342, which i.a. specifies the relevant characteristics and requirements of flat surface wood flooring products and parquets.

Further technical information can be obtained by contacting the manufacturer or on the manufacturers website: <https://plankegulv.com/>

Reference Service Life (RSL)

The reference service life (RSL) of the declared products is 100 years.

Picture of product(s)

The plank floors are solid wood, manufactured from ash, oak, douglas, pitch pine, nordic pine, or pomeranian pine in varies thicknesses. The plank floors are delivered untreated. When installed, the declared products are either oiled or lacquered. The declared products are grouped into six groups based on wood type. The LCA-results for plank floors of ash and oak are determined based on the variant of 22 mm, hence also covering the variant of 30 mm within each wood type. Likewise, the LCA-results for plank floors of douglas, nordic pine, and pomeranian pine are determined based on the variant of 30 mm, while the LCA-results for plank floors of pitch pine is determined based on the variant of 20 mm.

Pictures of the final installation of the declared products (Solid wood flooring) can be seen below:



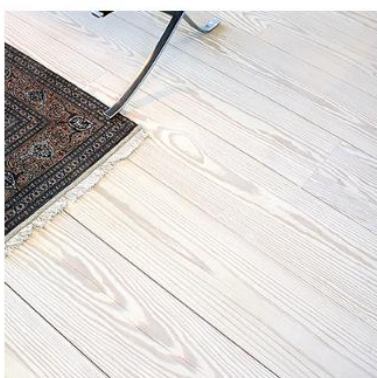
Eg



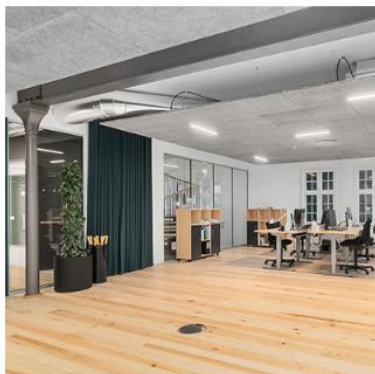
Ask



Douglas



Pitch Pine



Pommersk Fyr



Nordisk Fyr

LCA background

Declared unit

Not defined.

Functional unit

The LCI and LCIA results in this EPD relates to the functional unit, which is defined as 1 kg of planks floors installed for indoor application and specified characteristics according to EN 14342 with a reference service life (RSL) of 100 years.

Technical specifications of the declared products can be seen in the table below:

Product	Density [Kg/m ³]	Weight per m ² [kg/m ²]	Moisture content [%]	Conversion factor to 1 kg
Plank floors Ash 22mm	650	14.3	8	1
Plank floors Ash 30mm	650	19.5	8	1
Plank floors Oak 22mm	650	14.3	8	1
Plank floors Oak 30mm	650	19.5	8	1
Plank floors Douglas 22mm	470	10.4	8	1
Plank floors Douglas 30mm	470	14.1	8	1
Plank floors Douglas 35mm	470	16.5	8	1
Plank floors Nordic Pine 30mm	470	14.1	8	1
Plank floors Nordic Pine 35mm	470	16.45	8	1
Plank floors Pitch Pine 20mm	370	7.4	8	1
Plank floors Pitch Pine 26mm	370	9.6	8	1
Plank floors Pomeranian Pine 30mm	470	14.1	8	1
Plank floors Pomeranian Pine 35mm	470	16.5	8	1

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804+A2:2019, and the cPCR EN 16485:2014 for wood and wood-based products for use in construction.

Guarantee of Origin – certificates

Foreground system:

The declared products are produced using electricity covered by "Guarantee of Origin"

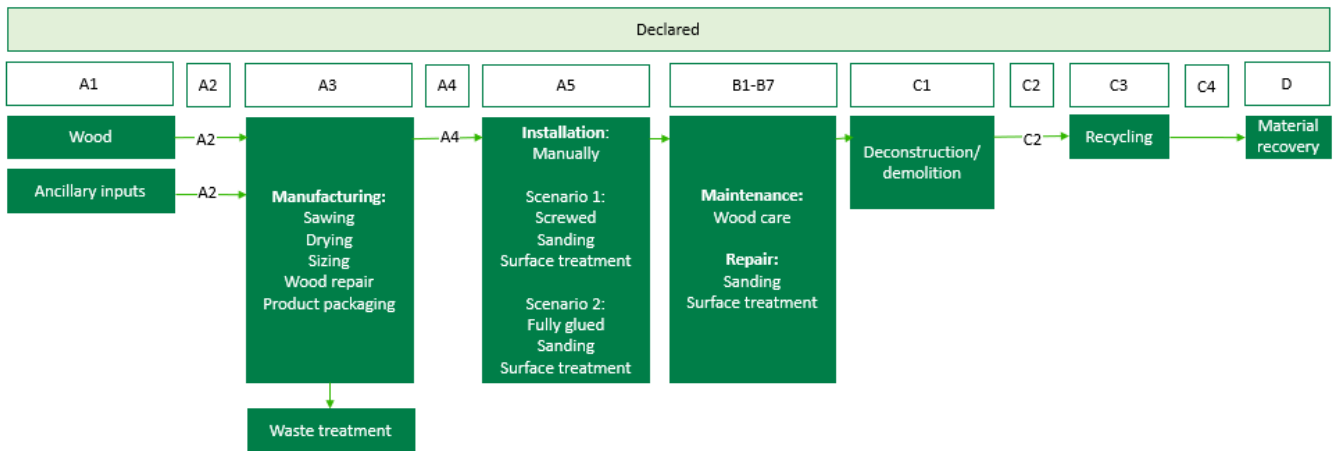
certificates and, therefore, modelled using electricity from photovoltaic. Remaining consumption of electricity is modelled using residual grid mix. Consumption of thermal energy is based on internal recycling of wood residues and, therefore, modelled as thermal energy from biomass.

Background system:

Other processes upstream and downstream from the production are modelled with processes from the LCA for Experts background database that is based on average data.

Flow diagram

The flow diagram below presents the main processes included in the life cycle of the declared products:



System boundary

This EPD is based on a cradle-to-grave LCA, in which 100 weight-% has been accounted for.

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

Allocation of energy, auxiliary materials, and production waste is based on physical properties, and generally based on m² of wood flooring produced.

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.

Raw materials for the manufacturing of the plank floors at PA Savværk includes logs and raw planks of the following wood species: oak, ash, douglas, nordic pine, pitch pine, and pomeranian pine. At the production site in Faaborg, the wood is debarked, sawn, dried, and cut into planks. Additionally, the wooden floor is sanded and repaired as needed in terms of knots and cracks. Finally, the declared products are packaged. (A1-A3)

Construction process stage (A4-A5) includes:

The declared products are transported to the construction site, to which a default distance of 150 km is assumed. (A4)

Four scenarios for installation of the declared products have been included. One assumes installation by screwing the declared products to the underlaying surface, and one assumes

installation by fully gluing the declared products to the underlaying surface. Additionally, the declared products are sanded and either oil or lacquer is applied. All scenarios include the installation of a vapor barrier and a material loss of 5%. (A5)

Use stage (B1-B7) includes:

Maintenance of the declared products includes application of wood care once a year. The wood care applied varies depending on the surface treatment, oiled or lacquered. (B2). Daily cleaning is assumed a part of the building service, hence not included within this product system.

Repair of the declared products include sanding, and subsequently application of oil or lacquer. A repair cycle once every 15 years is assumed. (B3)

Module B1, B4, B5, B6, and B7 are not relevant in terms of the declared products.

End of Life (C1-C4) includes:

The end-of-life scenario assumes that 100% of the declared products are collected separately for recycling.

The deconstruction of the declared products is handled manually, hence no environmental impacts caused by any energy or material consumption is included in this module (B1). A default distance of 50 km is assumed for the transport from the construction site to the waste processing facility (C2). The declared products are then shredded into wood chips for recycling (C3). In accordance with the cPCR, EN 16485:2014, no disposal (landfilling) is included in the recycling scenario (C4).

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

Potential benefits from avoided extraction and production of primary energy and materials are included. The recycling of the declared products potentially avoids primary materials to produce chipboards.

LCA results

The LCA results are presented per wood type and surface treatment applied during installation, i.e. oiled or lacquered in module A5. Additionally, two scenarios for installation of the declared products have been included. One assumes installation using screws, which is noted (1), and one assumes installation by fully gluing the declared products to the underlying surface, which is noted (2). Module A1-A3, A4, B2, and B3 does not vary between these scenarios.

Results for: Ash solid wood flooring 22 mm (oiled) and Ash solid wood flooring 30 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Ash solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.48E+00	1.27E-02	6.45E-02	5.05E-01	1.59E-01	4.15E-01	3.61E-03	3.73E-03	1.50E+00	1.45E+00	-1.62E+00	-1.65E+00
GWP-fossil	[kg CO ₂ eq.]	2.29E-01	1.26E-02	6.83E-02	4.97E-01	8.14E-02	1.63E-01	3.57E-03	3.69E-03	1.14E-01	6.16E-02	-2.36E-01	-2.61E-01
GWP-bio	[kg CO ₂ eq.]	-1.71E+00	2.88E-05	-4.76E-03	6.36E-03	4.20E-02	2.48E-01	8.18E-06	8.44E-06	1.39E+00	1.39E+00	-1.39E+00	-1.39E+00
GWP-luluc	[kg CO ₂ eq.]	3.75E-03	1.18E-04	9.08E-04	1.25E-03	3.53E-02	4.26E-03	3.35E-05	3.46E-05	1.67E-05	1.65E-05	-6.72E-05	-6.59E-05
ODP	[kg CFC 11 eq.]	1.25E-08	1.66E-15	8.50E-10	1.81E-07	1.12E-08	1.34E-09	4.70E-16	4.86E-16	1.50E-14	1.31E-14	-1.05E-12	-1.18E-12
AP	[mol H ⁺ eq.]	1.40E-03	1.88E-05	2.08E-04	2.52E-03	1.17E-03	4.63E-04	5.33E-06	5.50E-06	4.40E-05	7.17E-05	-2.62E-04	-2.66E-04
EP-fw	[kg P eq.]	3.68E-05	4.65E-08	7.61E-06	1.38E-04	2.82E-04	3.44E-05	1.32E-08	1.36E-08	1.13E-08	1.02E-08	-3.63E-07	-4.03E-07
EP-mar	[kg N eq.]	4.81E-04	6.81E-06	5.40E-05	6.06E-04	2.99E-04	1.64E-04	1.93E-06	2.00E-06	1.53E-05	3.41E-05	-9.72E-05	-1.04E-04
EP-ter	[mol N eq.]	4.54E-03	8.06E-05	5.39E-04	4.94E-03	1.28E-03	1.59E-03	2.29E-05	2.36E-05	2.14E-04	3.94E-04	-1.04E-03	-1.11E-03
POCP	[kg NMVOC eq.]	1.95E-03	1.64E-05	1.78E-04	1.65E-03	3.74E-04	3.61E-04	4.67E-06	4.82E-06	4.03E-05	8.79E-05	-2.69E-04	-2.85E-04
ADP-mm ¹	[kg Sb eq.]	7.62E-07	8.44E-10	3.33E-07	5.33E-06	8.33E-07	1.32E-07	2.40E-10	2.48E-10	2.42E-09	2.39E-09	-1.50E-07	-7.75E-08
ADP-fos ¹	[MJ]	3.69E+00	1.73E-01	9.01E-01	9.24E+00	1.70E+00	1.35E+00	4.92E-02	5.09E-02	6.80E-02	6.73E-02	-3.80E+00	-4.22E+00
WDP ¹	[m ³]	5.83E-02	1.54E-04	2.34E-02	7.18E-01	2.30E-01	7.16E-02	4.37E-05	4.51E-05	1.19E-02	6.08E-03	-6.94E-03	-6.57E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	2.65E-08	1.62E-10	2.84E-09	2.54E-08	6.16E-09	2.51E-09	4.59E-11	4.74E-11	3.90E-10	3.96E-10	-1.70E-08	-1.69E-08
IRP2	[kBq U235 eq.]	1.35E-02	4.86E-05	4.27E-03	4.46E-02	7.63E-03	1.37E-02	1.38E-05	1.42E-05	1.57E-04	1.45E-04	-7.44E-03	-8.27E-03
ETP-fw1	[CTUe]	2.00E+00	1.24E-01	4.43E-01	1.29E+01	2.67E+00	6.30E-01	3.53E-02	3.64E-02	3.45E-02	3.41E-02	-2.63E-01	-2.57E-01
HTP-c1	[CTUh]	2.35E-09	2.52E-12	3.08E-09	1.79E-09	2.03E-10	8.31E-11	7.16E-13	7.39E-13	1.76E-12	2.41E-12	-5.84E-11	-5.92E-11
HTP-nc1	[CTUh]	3.70E-09	1.12E-10	5.61E-10	6.72E-09	1.44E-09	8.64E-10	3.18E-11	3.29E-11	7.28E-11	1.97E-10	-2.80E-10	-2.96E-10
SQP1	-	1.45E+02	7.24E-02	7.65E+00	9.31E+00	2.70E+00	2.19E+00	2.06E-02	2.13E-02	2.06E-02	1.74E-02	-1.91E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.55E+01	1.26E-02	2.80E+00	3.43E+00	3.43E-01	2.87E+00	3.58E-03	3.70E-03	1.38E+01	1.38E+01	-2.93E+01	-2.95E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.60E-01	8.60E-01	4.66E-01	5.59E-02	0.00E+00	0.00E+00	-1.38E+01	-1.38E+01	1.38E+01	1.38E+01
PERT	[MJ]	6.25E+01	1.26E-02	3.66E+00	4.29E+00	8.09E-01	2.92E+00	3.58E-03	3.70E-03	1.41E-02	1.09E-02	-1.55E+01	-1.57E+01
PENRE	[MJ]	3.30E+00	1.74E-01	6.66E-01	7.81E+00	1.70E+00	1.35E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
PENRM	[MJ]	3.93E-01	0.00E+00	1.82E+00	1.43E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.70E+00	1.74E-01	2.49E+00	9.24E+00	1.74E+00	1.35E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
SM	[kg]	2.33E-03	0.00E+00	4.56E-02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.57E-03	1.38E-05	6.71E-04	1.68E-02	5.36E-03	2.26E-03	3.93E-06	4.05E-06	2.82E-04	1.46E-04	-5.34E-04	-5.57E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.65E-09	5.39E-13	-2.04E-11	-3.52E-11	5.77E-12	-9.96E-10	1.53E-13	1.58E-13	-1.70E-12	6.92E-13	3.00E-10	3.40E-10
NHWD	[kg]	7.81E-03	2.65E-05	3.49E-03	2.46E-03	1.20E-04	6.57E-03	7.54E-06	7.78E-06	2.42E-03	2.24E-03	-3.08E-03	-3.23E-03
RWD	[kg]	2.79E-05	3.26E-07	2.89E-05	2.04E-05	2.51E-06	1.13E-04	9.25E-08	9.55E-08	1.17E-06	1.06E-06	-6.51E-05	-7.24E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.09E-03	0.00E+00	1.56E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	1.39E+00	0.00E+00	6.95E-02	6.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.32E-03	0.00E+00	1.73E-01	1.73E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	2.37E-01	1.14E-01	0.00E+00	0.00E+00
EET	[MJ]	3.18E-02	0.00E+00	7.56E-01	7.56E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.01E+00	4.67E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Ash solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Ash solid wood flooring 22 mm (lacquered) and Ash solid wood flooring 30 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Ash solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.48E+00	1.27E-02	9.54E-02	5.36E-01	8.44E-03	6.01E-01	3.61E-03	3.73E-03	1.50E+00	1.45E+00	-1.62E+00	-1.65E+00
GWP-fossil	[kg CO ₂ eq.]	2.29E-01	1.26E-02	1.01E-01	5.30E-01	8.42E-03	3.56E-01	3.57E-03	3.69E-03	1.14E-01	6.16E-02	-2.36E-01	-2.61E-01
GWP-bio	[kg CO ₂ eq.]	-1.71E+00	2.88E-05	-5.39E-03	5.72E-03	2.51E-05	2.44E-01	8.18E-06	8.44E-06	1.39E+00	1.39E+00	-1.39E+00	-1.39E+00
GWP-luluc	[kg CO ₂ eq.]	3.75E-03	1.18E-04	2.09E-04	5.53E-04	3.58E-06	6.64E-05	3.35E-05	3.46E-05	1.67E-05	1.65E-05	-6.72E-05	-6.59E-05
ODP	[kg CFC 11 eq.]	1.25E-08	1.66E-15	6.27E-10	1.81E-07	2.93E-08	2.56E-12	4.70E-16	4.86E-16	1.50E-14	1.31E-14	-1.05E-12	-1.18E-12
AP	[mol H ⁺ eq.]	1.40E-03	1.88E-05	2.44E-04	2.55E-03	5.86E-05	6.79E-04	5.33E-06	5.50E-06	4.40E-05	7.17E-05	-2.62E-04	-2.66E-04
EP-fw	[kg P eq.]	3.68E-05	4.65E-08	2.04E-06	1.32E-04	1.77E-06	1.00E-06	1.32E-08	1.36E-08	1.13E-08	1.02E-08	-3.63E-07	-4.03E-07
EP-mar	[kg N eq.]	4.81E-04	6.81E-06	6.30E-05	6.15E-04	7.60E-06	2.18E-04	1.93E-06	2.00E-06	1.53E-05	3.41E-05	-9.72E-05	-1.04E-04
EP-ter	[mol N eq.]	4.54E-03	8.06E-05	6.76E-04	5.07E-03	8.16E-05	2.41E-03	2.29E-05	2.36E-05	2.14E-04	3.94E-04	-1.04E-03	-1.11E-03
POCP	[kg NMVOC eq.]	1.95E-03	1.64E-05	2.26E-04	1.70E-03	3.32E-05	6.54E-04	4.67E-06	4.82E-06	4.03E-05	8.79E-05	-2.69E-04	-2.85E-04
ADP-mm ¹	[kg Sb eq.]	7.62E-07	8.44E-10	3.17E-07	5.31E-06	7.02E-08	4.04E-08	2.40E-10	2.48E-10	2.42E-09	2.39E-09	-1.50E-07	-7.75E-08
ADP-fos ¹	[MJ]	3.69E+00	1.73E-01	1.62E+00	9.96E+00	2.03E-01	5.66E+00	4.92E-02	5.09E-02	6.80E-02	6.73E-02	-3.80E+00	-4.22E+00
WDP ¹	[m ³]	5.83E-02	1.54E-04	2.46E-02	7.19E-01	1.15E-02	7.88E-02	4.37E-05	4.51E-05	1.19E-02	6.08E-03	-6.94E-03	-6.57E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	2.65E-08	1.62E-10	3.19E-09	2.57E-08	4.61E-10	4.62E-09	4.59E-11	4.74E-11	3.90E-10	3.96E-10	-1.70E-08	-1.69E-08
IRP2	[kBq U235 eq.]	1.35E-02	4.86E-05	6.02E-03	4.64E-02	3.89E-04	2.42E-02	1.38E-05	1.42E-05	1.57E-04	1.45E-04	-7.44E-03	-8.27E-03
ETP-fw1	[CTUe]	2.00E+00	1.24E-01	6.67E-01	1.32E+01	5.92E-02	1.98E+00	3.53E-02	3.64E-02	3.45E-02	3.41E-02	-2.63E-01	-2.57E-01
HTP-c1	[CTUh]	2.35E-09	2.52E-12	3.09E-09	1.81E-09	1.49E-11	1.67E-10	7.16E-13	7.39E-13	1.76E-12	2.41E-12	-5.84E-11	-5.92E-11
HTP-nc1	[CTUh]	3.70E-09	1.12E-10	1.97E-09	8.13E-09	9.24E-11	9.31E-09	3.18E-11	3.29E-11	7.28E-11	1.97E-10	-2.80E-10	-2.96E-10
SQP1	-	1.45E+02	7.24E-02	7.80E+00	9.46E+00	2.01E-02	3.08E+00	2.06E-02	2.13E-02	2.06E-02	1.74E-02	-1.91E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.55E+01	1.26E-02	2.88E+00	3.51E+00	4.75E-03	3.33E+00	3.58E-03	3.70E-03	1.38E+01	1.38E+01	-2.93E+01	-2.95E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+01	-1.38E+01	1.38E+01	1.38E+01
PERT	[MJ]	6.25E+01	1.26E-02	3.73E+00	4.36E+00	4.75E-03	3.33E+00	3.58E-03	3.70E-03	1.41E-02	1.09E-02	-1.55E+01	-1.57E+01
PENRE	[MJ]	3.30E+00	1.74E-01	1.30E+00	8.45E+00	1.01E-01	5.16E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
PENRM	[MJ]	3.93E-01	0.00E+00	1.91E+00	1.51E+00	1.03E-01	5.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.70E+00	1.74E-01	3.21E+00	9.96E+00	2.03E-01	5.66E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
SM	[kg]	2.33E-03	0.00E+00	4.56E-02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.57E-03	1.38E-05	7.87E-04	1.69E-02	2.67E-04	2.96E-03	3.93E-06	4.05E-06	2.82E-04	1.46E-04	-5.34E-04	-5.57E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Ash solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.65E-09	5.39E-13	3.73E-11	2.26E-11	-2.57E-14	-6.49E-10	1.53E-13	1.58E-13	-1.70E-12	6.92E-13	3.00E-10	3.40E-10
NHWD	[kg]	7.81E-03	2.65E-05	4.88E-03	3.86E-03	4.13E-05	1.50E-02	7.54E-06	7.78E-06	2.42E-03	2.24E-03	-3.08E-03	-3.23E-03
RWD	[kg]	2.79E-05	3.26E-07	4.11E-05	3.26E-05	3.45E-08	1.86E-04	9.25E-08	9.55E-08	1.17E-06	1.06E-06	-6.51E-05	-7.24E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.09E-03	0.00E+00	1.56E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	1.39E+00	0.00E+00	6.95E-02	6.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.32E-03	0.00E+00	1.73E-01	1.73E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	2.37E-01	1.14E-01	0.00E+00	0.00E+00
EET	[MJ]	3.18E-02	0.00E+00	7.56E-01	7.56E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.01E+00	4.67E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Ash solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Oak solid wood flooring 22 mm (oiled) and Oak solid wood flooring 30 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.32E+00	1.27E-02	7.25E-02	5.13E-01	1.59E-01	4.15E-01	3.61E-03	3.73E-03	1.42E+00	1.37E+00	-1.54E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	2.85E-01	1.26E-02	7.11E-02	5.00E-01	8.14E-02	1.63E-01	3.57E-03	3.69E-03	1.14E-01	6.16E-02	-2.36E-01	-2.61E-01
GWP-bio	[kg CO ₂ eq.]	-1.61E+00	2.88E-05	4.39E-04	1.16E-02	4.20E-02	2.48E-01	8.18E-06	8.44E-06	1.30E+00	1.30E+00	-1.30E+00	-1.30E+00
GWP-luluc	[kg CO ₂ eq.]	4.18E-03	1.18E-04	9.29E-04	1.27E-03	3.53E-02	4.26E-03	3.35E-05	3.46E-05	1.67E-05	1.65E-05	-6.72E-05	-6.59E-05
ODP	[kg CFC 11 eq.]	1.54E-08	1.66E-15	9.93E-10	1.81E-07	1.12E-08	1.34E-09	4.70E-16	4.86E-16	1.50E-14	1.31E-14	-1.05E-12	-1.18E-12
AP	[mol H ⁺ eq.]	1.62E-03	1.88E-05	2.19E-04	2.53E-03	1.17E-03	4.63E-04	5.33E-06	5.50E-06	4.40E-05	7.17E-05	-2.62E-04	-2.66E-04
EP-fw	[kg P eq.]	4.45E-05	4.65E-08	8.00E-06	1.38E-04	2.82E-04	3.44E-05	1.32E-08	1.36E-08	1.13E-08	1.02E-08	-3.63E-07	-4.03E-07
EP-mar	[kg N eq.]	5.58E-04	6.81E-06	5.78E-05	6.10E-04	2.99E-04	1.64E-04	1.93E-06	2.00E-06	1.53E-05	3.41E-05	-9.72E-05	-1.04E-04
EP-ter	[mol N eq.]	5.40E-03	8.06E-05	5.82E-04	4.98E-03	1.28E-03	1.59E-03	2.29E-05	2.36E-05	2.14E-04	3.94E-04	-1.04E-03	-1.11E-03
POCP	[kg NMVOC eq.]	2.17E-03	1.64E-05	1.89E-04	1.66E-03	3.74E-04	3.61E-04	4.67E-06	4.82E-06	4.03E-05	8.79E-05	-2.69E-04	-2.85E-04
ADP-mm ¹	[kg Sb eq.]	8.36E-07	8.44E-10	3.36E-07	5.33E-06	8.33E-07	1.32E-07	2.40E-10	2.48E-10	2.42E-09	2.39E-09	-1.50E-07	-7.75E-08
ADP-fos ¹	[MJ]	4.53E+00	1.73E-01	9.43E-01	9.28E+00	1.70E+00	1.35E+00	4.92E-02	5.09E-02	6.80E-02	6.73E-02	-3.80E+00	-4.22E+00
WDP ¹	[m ³]	6.73E-02	1.54E-04	2.38E-02	7.19E-01	2.30E-01	7.16E-02	4.37E-05	4.51E-05	1.19E-02	6.08E-03	-6.94E-03	-6.57E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	3.29E-08	1.62E-10	3.16E-09	2.57E-08	6.16E-09	2.51E-09	4.59E-11	4.74E-11	3.90E-10	3.96E-10	-1.70E-08	-1.69E-08
IRP2	[kBq U235 eq.]	1.77E-02	4.86E-05	4.48E-03	4.48E-02	7.63E-03	1.37E-02	1.38E-05	1.42E-05	1.57E-04	1.45E-04	-7.44E-03	-8.27E-03
ETP-fw1	[CTUe]	2.45E+00	1.24E-01	4.65E-01	1.30E+01	2.67E+00	6.30E-01	3.53E-02	3.64E-02	3.45E-02	3.41E-02	-2.63E-01	-2.57E-01
HTP-c1	[CTUh]	2.37E-09	2.52E-12	3.08E-09	1.80E-09	2.03E-10	8.31E-11	7.16E-13	7.39E-13	1.76E-12	2.41E-12	-5.84E-11	-5.92E-11
HTP-nc1	[CTUh]	4.26E-09	1.12E-10	5.89E-10	6.75E-09	1.44E-09	8.64E-10	3.18E-11	3.29E-11	7.28E-11	1.97E-10	-2.80E-10	-2.96E-10
SQP1	-	2.74E+02	7.24E-02	1.41E+01	1.58E+01	2.70E+00	2.19E+00	2.06E-02	2.13E-02	2.06E-02	1.74E-02	-1.91E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.62E+01	1.26E-02	2.84E+00	3.47E+00	3.43E-01	2.87E+00	3.58E-03	3.70E-03	1.38E+01	1.38E+01	-2.93E+01	-2.95E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.60E-01	8.60E-01	4.66E-01	5.59E-02	0.00E+00	0.00E+00	-1.38E+01	-1.38E+01	1.38E+01	1.38E+01
PERT	[MJ]	6.32E+01	1.26E-02	3.70E+00	4.33E+00	8.09E-01	2.92E+00	3.58E-03	3.70E-03	1.41E-02	1.09E-02	-1.55E+01	-1.57E+01
PENRE	[MJ]	4.15E+00	1.74E-01	7.09E-01	7.85E+00	1.70E+00	1.35E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
PENRM	[MJ]	3.93E-01	0.00E+00	1.82E+00	1.43E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.54E+00	1.74E-01	2.53E+00	9.29E+00	1.74E+00	1.35E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
SM	[kg]	2.33E-03	0.00E+00	4.56E-02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.81E-03	1.38E-05	6.84E-04	1.68E-02	5.36E-03	2.26E-03	3.93E-06	4.05E-06	2.82E-04	1.46E-04	-5.34E-04	-5.57E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.65E-09	5.39E-13	-2.04E-11	-3.51E-11	5.77E-12	-9.96E-10	1.53E-13	1.58E-13	-1.70E-12	6.92E-13	3.00E-10	3.40E-10
NHWD	[kg]	7.89E-03	2.65E-05	3.49E-03	2.46E-03	1.20E-04	6.57E-03	7.54E-06	7.78E-06	2.42E-03	2.24E-03	-3.08E-03	-3.23E-03
RWD	[kg]	2.89E-05	3.26E-07	2.89E-05	2.05E-05	2.51E-06	1.13E-04	9.25E-08	9.55E-08	1.17E-06	1.06E-06	-6.51E-05	-7.24E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.09E-03	0.00E+00	1.56E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	1.46E+00	0.00E+00	7.32E-02	7.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.32E-03	0.00E+00	1.73E-01	1.73E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	2.37E-01	1.14E-01	0.00E+00	0.00E+00
EET	[MJ]	3.18E-02	0.00E+00	7.56E-01	7.56E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.01E+00	4.67E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Oak solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Oak solid wood flooring 22 mm (lacquered) and Oak solid wood flooring 30 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.32E+00	1.27E-02	1.03E-01	5.44E-01	8.44E-03	6.01E-01	3.61E-03	3.73E-03	1.42E+00	1.37E+00	-1.54E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	2.85E-01	1.26E-02	1.03E-01	5.32E-01	8.42E-03	3.56E-01	3.57E-03	3.69E-03	1.14E-01	6.16E-02	-2.36E-01	-2.61E-01
GWP-bio	[kg CO ₂ eq.]	-1.61E+00	2.88E-05	-1.96E-04	1.09E-02	2.51E-05	2.44E-01	8.18E-06	8.44E-06	1.30E+00	1.30E+00	-1.30E+00	-1.30E+00
GWP-luluc	[kg CO ₂ eq.]	4.18E-03	1.18E-04	2.31E-04	5.75E-04	3.58E-06	6.64E-05	3.35E-05	3.46E-05	1.67E-05	1.65E-05	-6.72E-05	-6.59E-05
ODP	[kg CFC 11 eq.]	1.54E-08	1.66E-15	7.70E-10	1.81E-07	2.93E-08	2.56E-12	4.70E-16	4.86E-16	1.50E-14	1.31E-14	-1.05E-12	-1.18E-12
AP	[mol H ⁺ eq.]	1.62E-03	1.88E-05	2.55E-04	2.56E-03	5.86E-05	6.79E-04	5.33E-06	5.50E-06	4.40E-05	7.17E-05	-2.62E-04	-2.66E-04
EP-fw	[kg P eq.]	4.45E-05	4.65E-08	2.43E-06	1.32E-04	1.77E-06	1.00E-06	1.32E-08	1.36E-08	1.13E-08	1.02E-08	-3.63E-07	-4.03E-07
EP-mar	[kg N eq.]	5.58E-04	6.81E-06	6.69E-05	6.19E-04	7.60E-06	2.18E-04	1.93E-06	2.00E-06	1.53E-05	3.41E-05	-9.72E-05	-1.04E-04
EP-ter	[mol N eq.]	5.40E-03	8.06E-05	7.19E-04	5.12E-03	8.16E-05	2.41E-03	2.29E-05	2.36E-05	2.14E-04	3.94E-04	-1.04E-03	-1.11E-03
POCP	[kg NMVOC eq.]	2.17E-03	1.64E-05	2.38E-04	1.71E-03	3.32E-05	6.54E-04	4.67E-06	4.82E-06	4.03E-05	8.79E-05	-2.69E-04	-2.85E-04
ADP-mm ¹	[kg Sb eq.]	8.36E-07	8.44E-10	3.21E-07	5.32E-06	7.02E-08	4.04E-08	2.40E-10	2.48E-10	2.42E-09	2.39E-09	-1.50E-07	-7.75E-08
ADP-fos ¹	[MJ]	4.53E+00	1.73E-01	1.66E+00	1.00E+01	2.03E-01	5.66E+00	4.92E-02	5.09E-02	6.80E-02	6.73E-02	-3.80E+00	-4.22E+00
WDP ¹	[m ³]	6.73E-02	1.54E-04	2.50E-02	7.20E-01	1.15E-02	7.88E-02	4.37E-05	4.51E-05	1.19E-02	6.08E-03	-6.94E-03	-6.57E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	3.29E-08	1.62E-10	3.51E-09	2.61E-08	4.61E-10	4.62E-09	4.59E-11	4.74E-11	3.90E-10	3.96E-10	-1.70E-08	-1.69E-08
IRP2	[kBq U235 eq.]	1.77E-02	4.86E-05	6.23E-03	4.66E-02	3.89E-04	2.42E-02	1.38E-05	1.42E-05	1.57E-04	1.45E-04	-7.44E-03	-8.27E-03
ETP-fw1	[CTUe]	2.45E+00	1.24E-01	6.90E-01	1.32E+01	5.92E-02	1.98E+00	3.53E-02	3.64E-02	3.45E-02	3.41E-02	-2.63E-01	-2.57E-01
HTP-c1	[CTUh]	2.37E-09	2.52E-12	3.09E-09	1.81E-09	1.49E-11	1.67E-10	7.16E-13	7.39E-13	1.76E-12	2.41E-12	-5.84E-11	-5.92E-11
HTP-nc1	[CTUh]	4.26E-09	1.12E-10	2.00E-09	8.16E-09	9.24E-11	9.31E-09	3.18E-11	3.29E-11	7.28E-11	1.97E-10	-2.80E-10	-2.96E-10
SQP1	-	2.74E+02	7.24E-02	1.43E+01	1.59E+01	2.01E-02	3.08E+00	2.06E-02	2.13E-02	2.06E-02	1.74E-02	-1.91E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.62E+01	1.26E-02	2.91E+00	3.54E+00	4.75E-03	3.33E+00	3.58E-03	3.70E-03	1.38E+01	1.38E+01	-2.93E+01	-2.95E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+01	-1.38E+01	1.38E+01	1.38E+01
PERT	[MJ]	6.32E+01	1.26E-02	3.76E+00	4.39E+00	4.75E-03	3.33E+00	3.58E-03	3.70E-03	1.41E-02	1.09E-02	-1.55E+01	-1.57E+01
PENRE	[MJ]	4.15E+00	1.74E-01	1.34E+00	8.49E+00	1.01E-01	5.16E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
PENRM	[MJ]	3.93E-01	0.00E+00	1.91E+00	1.51E+00	1.03E-01	5.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.54E+00	1.74E-01	3.25E+00	1.00E+01	2.03E-01	5.66E+00	4.94E-02	5.11E-02	6.81E-02	6.74E-02	-3.80E+00	-4.22E+00
SM	[kg]	2.33E-03	0.00E+00	4.56E-02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.81E-03	1.38E-05	7.99E-04	1.70E-02	2.67E-04	2.96E-03	3.93E-06	4.05E-06	2.82E-04	1.46E-04	-5.34E-04	-5.57E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Oak solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.65E-09	5.39E-13	3.74E-11	2.27E-11	-2.57E-14	-6.49E-10	1.53E-13	1.58E-13	-1.70E-12	6.92E-13	3.00E-10	3.40E-10
NHWD	[kg]	7.89E-03	2.65E-05	4.89E-03	3.86E-03	4.13E-05	1.50E-02	7.54E-06	7.78E-06	2.42E-03	2.24E-03	-3.08E-03	-3.23E-03
RWD	[kg]	2.89E-05	3.26E-07	4.11E-05	3.27E-05	3.45E-08	1.86E-04	9.25E-08	9.55E-08	1.17E-06	1.06E-06	-6.51E-05	-7.24E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.09E-03	0.00E+00	1.56E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	1.46E+00	0.00E+00	7.32E-02	7.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.32E-03	0.00E+00	1.73E-01	1.73E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	2.37E-01	1.14E-01	0.00E+00	0.00E+00
EET	[MJ]	3.18E-02	0.00E+00	7.56E-01	7.56E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.01E+00	4.67E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Oak solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Douglas solid wood flooring 22 mm (oiled), Douglas solid wood flooring 30 mm (oiled), and Douglas solid wood flooring 35 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Douglas solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.61E+00	1.28E-02	7.92E-02	6.85E-01	2.18E-01	4.52E-01	3.69E-03	3.86E-03	1.63E+00	1.56E+00	-1.73E+00	-1.76E+00
GWP-fossil	[kg CO ₂ eq.]	2.09E-01	1.26E-02	8.78E-02	6.78E-01	1.12E-01	1.95E-01	3.65E-03	3.81E-03	1.56E-01	8.39E-02	-2.47E-01	-2.81E-01
GWP-bio	[kg CO ₂ eq.]	-1.82E+00	2.89E-05	-9.87E-03	5.41E-03	5.78E-02	2.50E-01	8.36E-06	8.73E-06	1.48E+00	1.48E+00	-1.48E+00	-1.48E+00
GWP-luluc	[kg CO ₂ eq.]	5.36E-03	1.18E-04	1.26E-03	1.73E-03	4.85E-02	5.85E-03	3.42E-05	3.57E-05	1.69E-05	1.67E-05	-6.97E-05	-6.79E-05
ODP	[kg CFC 11 eq.]	1.10E-08	1.66E-15	8.57E-10	2.48E-07	1.53E-08	1.84E-09	4.81E-16	5.02E-16	1.93E-14	1.67E-14	-1.09E-12	-1.27E-12
AP	[mol H ⁺ eq.]	1.50E-03	1.88E-05	2.58E-04	3.43E-03	1.60E-03	5.71E-04	5.45E-06	5.69E-06	5.63E-05	9.44E-05	-2.81E-04	-2.87E-04
EP-fw	[kg P eq.]	4.12E-05	4.67E-08	9.99E-06	1.89E-04	3.87E-04	4.74E-05	1.35E-08	1.41E-08	1.28E-08	1.13E-08	-3.77E-07	-4.33E-07
EP-mar	[kg N eq.]	5.12E-04	6.83E-06	6.50E-05	8.24E-04	4.11E-04	1.96E-04	1.98E-06	2.06E-06	1.91E-05	4.50E-05	-1.01E-04	-1.10E-04
EP-ter	[mol N eq.]	4.53E-03	8.08E-05	6.27E-04	6.67E-03	1.76E-03	1.82E-03	2.34E-05	2.44E-05	2.72E-04	5.20E-04	-1.08E-03	-1.18E-03
POCP	[kg NMVOC eq.]	2.49E-03	1.65E-05	2.30E-04	2.25E-03	5.14E-04	4.21E-04	4.77E-06	4.98E-06	5.02E-05	1.16E-04	-2.80E-04	-3.03E-04
ADP-mm ¹	[kg Sb eq.]	8.97E-07	8.47E-10	4.50E-07	7.32E-06	1.14E-06	1.82E-07	2.45E-10	2.56E-10	2.47E-09	2.42E-09	-2.00E-07	-1.01E-07
ADP-fos ¹	[MJ]	3.45E+00	1.74E-01	1.15E+00	1.26E+01	2.33E+00	1.82E+00	5.03E-02	5.26E-02	7.78E-02	7.68E-02	-3.97E+00	-4.54E+00
WDP ¹	[m ³]	6.77E-02	1.54E-04	2.82E-02	9.84E-01	3.17E-01	8.54E-02	4.47E-05	4.66E-05	1.63E-02	8.21E-03	-7.80E-03	-7.29E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Douglas solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.97E-08	1.62E-10	3.02E-09	3.40E-08	8.47E-09	3.24E-09	4.69E-11	4.90E-11	4.57E-10	4.65E-10	-1.72E-08	-1.70E-08
IRP2	[kBq U235 eq.]	8.89E-03	4.87E-05	5.37E-03	6.09E-02	1.05E-02	1.87E-02	1.41E-05	1.47E-05	1.82E-04	1.65E-04	-7.72E-03	-8.85E-03
ETP-fw1	[CTUe]	1.97E+00	1.25E-01	5.65E-01	1.77E+01	3.67E+00	8.59E-01	3.61E-02	3.76E-02	3.69E-02	3.63E-02	-2.87E-01	-2.79E-01
HTP-c1	[CTUh]	3.20E-09	2.53E-12	4.23E-09	2.47E-09	2.79E-10	1.12E-10	7.32E-13	7.64E-13	2.19E-12	3.08E-12	-6.35E-11	-6.45E-11
HTP-nc1	[CTUh]	3.92E-09	1.12E-10	6.99E-10	9.17E-09	1.98E-09	1.06E-09	3.26E-11	3.40E-11	9.17E-11	2.62E-10	-2.96E-10	-3.17E-10
SQP1	-	1.01E+02	7.27E-02	5.60E+00	7.89E+00	3.72E+00	3.00E+00	2.10E-02	2.20E-02	2.40E-02	1.96E-02	-1.92E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Douglas solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.08E+01	1.27E-02	2.76E+00	3.63E+00	4.71E-01	3.93E+00	3.66E-03	3.82E-03	1.38E+01	1.38E+01	-2.93E+01	-2.96E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.64E-01	8.64E-01	6.41E-01	7.69E-02	0.00E+00	0.00E+00	-1.37E+01	-1.37E+01	1.37E+01	1.37E+01
PERT	[MJ]	5.78E+01	1.27E-02	3.63E+00	4.49E+00	1.11E+00	4.00E+00	3.66E-03	3.82E-03	1.79E-02	1.35E-02	-1.56E+01	-1.58E+01
PENRE	[MJ]	2.92E+00	1.75E-01	8.24E-01	1.06E+01	2.34E+00	1.82E+00	5.05E-02	5.28E-02	7.79E-02	7.69E-02	-3.97E+00	-4.54E+00
PENRM	[MJ]	5.40E-01	0.00E+00	2.50E+00	1.97E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.46E+00	1.75E-01	3.33E+00	1.26E+01	2.39E+00	1.83E+00	5.05E-02	5.28E-02	7.79E-02	7.69E-02	-3.97E+00	-4.54E+00
SM	[kg]	3.21E-03	0.00E+00	6.27E-02	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.81E-03	1.39E-05	8.27E-04	2.31E-02	7.38E-03	2.81E-03	4.01E-06	4.19E-06	3.84E-04	1.97E-04	-5.71E-04	-6.03E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Douglas solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	3.64E-09	5.41E-13	-2.75E-11	-4.77E-11	7.93E-12	-1.37E-09	1.56E-13	1.63E-13	-2.30E-12	9.93E-13	3.11E-10	3.66E-10
NHWD	[kg]	1.06E-02	2.66E-05	4.34E-03	2.93E-03	1.65E-04	8.16E-03	7.70E-06	8.04E-06	3.32E-03	3.07E-03	-3.32E-03	-3.52E-03
RWD	[kg]	3.66E-05	3.27E-07	3.95E-05	2.78E-05	3.46E-06	1.54E-04	9.46E-08	9.87E-08	1.40E-06	1.25E-06	-6.75E-05	-7.75E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.88E-03	0.00E+00	2.15E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	9.22E-01	0.00E+00	4.61E-02	4.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	1.01E-02	0.00E+00	1.93E-01	1.93E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	3.26E-01	1.56E-01	0.00E+00	0.00E+00
EET	[MJ]	4.37E-02	0.00E+00	8.38E-01	8.38E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.39E+00	6.42E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Douglas solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Douglas solid wood flooring 22 mm (lacquered), Douglas solid wood flooring 30 mm (lacquered), and Douglas solid wood flooring 35 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Douglas solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.61E+00	1.28E-02	1.22E-01	7.27E-01	1.16E-02	7.07E-01	3.69E-03	3.86E-03	1.63E+00	1.56E+00	-1.73E+00	-1.76E+00
GWP-fossil	[kg CO ₂ eq.]	2.09E-01	1.26E-02	1.32E-01	7.22E-01	1.16E-02	4.62E-01	3.65E-03	3.81E-03	1.56E-01	8.39E-02	-2.47E-01	-2.81E-01
GWP-bio	[kg CO ₂ eq.]	-1.82E+00	2.89E-05	-1.07E-02	4.54E-03	3.45E-05	2.45E-01	8.36E-06	8.73E-06	1.48E+00	1.48E+00	-1.48E+00	-1.48E+00
GWP-luluc	[kg CO ₂ eq.]	5.36E-03	1.18E-04	2.95E-04	7.68E-04	4.92E-06	8.96E-05	3.42E-05	3.57E-05	1.69E-05	1.67E-05	-6.97E-05	-6.79E-05
ODP	[kg CFC 11 eq.]	1.10E-08	1.66E-15	5.50E-10	2.48E-07	4.04E-08	3.51E-12	4.81E-16	5.02E-16	1.93E-14	1.67E-14	-1.09E-12	-1.27E-12
AP	[mol H ⁺ eq.]	1.50E-03	1.88E-05	3.08E-04	3.48E-03	8.05E-05	8.68E-04	5.45E-06	5.69E-06	5.63E-05	9.44E-05	-2.81E-04	-2.87E-04
EP-fw	[kg P eq.]	4.12E-05	4.67E-08	2.33E-06	1.81E-04	2.44E-06	1.37E-06	1.35E-08	1.41E-08	1.28E-08	1.13E-08	-3.77E-07	-4.33E-07
EP-mar	[kg N eq.]	5.12E-04	6.83E-06	7.75E-05	8.37E-04	1.04E-05	2.71E-04	1.98E-06	2.06E-06	1.91E-05	4.50E-05	-1.01E-04	-1.10E-04
EP-ter	[mol N eq.]	4.53E-03	8.08E-05	8.16E-04	6.86E-03	1.12E-04	2.96E-03	2.34E-05	2.44E-05	2.72E-04	5.20E-04	-1.08E-03	-1.18E-03
POCP	[kg NMVOC eq.]	2.49E-03	1.65E-05	2.97E-04	2.32E-03	4.56E-05	8.23E-04	4.77E-06	4.98E-06	5.02E-05	1.16E-04	-2.80E-04	-3.03E-04
ADP-mm ¹	[kg Sb eq.]	8.97E-07	8.47E-10	4.29E-07	7.30E-06	9.66E-08	5.54E-08	2.45E-10	2.56E-10	2.47E-09	2.42E-09	-2.00E-07	-1.01E-07
ADP-fos ¹	[MJ]	3.45E+00	1.74E-01	2.13E+00	1.36E+01	2.80E-01	7.74E+00	5.03E-02	5.26E-02	7.78E-02	7.68E-02	-3.97E+00	-4.54E+00
WDP ¹	[m ³]	6.77E-02	1.54E-04	2.98E-02	9.85E-01	1.58E-02	9.53E-02	4.47E-05	4.66E-05	1.63E-02	8.21E-03	-7.80E-03	-7.29E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Douglas solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.97E-08	1.62E-10	3.51E-09	3.45E-08	6.33E-10	6.14E-09	4.69E-11	4.90E-11	4.57E-10	4.65E-10	-1.72E-08	-1.70E-08
IRP2	[kBq U235 eq.]	8.89E-03	4.87E-05	7.78E-03	6.33E-02	5.35E-04	3.32E-02	1.41E-05	1.47E-05	1.82E-04	1.65E-04	-7.72E-03	-8.85E-03
ETP-fw1	[CTUe]	1.97E+00	1.25E-01	8.74E-01	1.80E+01	8.15E-02	2.71E+00	3.61E-02	3.76E-02	3.69E-02	3.63E-02	-2.87E-01	-2.79E-01
HTP-c1	[CTUh]	3.20E-09	2.53E-12	4.25E-09	2.49E-09	2.04E-11	2.28E-10	7.32E-13	7.64E-13	2.19E-12	3.08E-12	-6.35E-11	-6.45E-11
HTP-nc1	[CTUh]	3.92E-09	1.12E-10	2.63E-09	1.11E-08	1.27E-10	1.27E-08	3.26E-11	3.40E-11	9.17E-11	2.62E-10	-2.96E-10	-3.17E-10
SQP1	-	1.01E+02	7.27E-02	5.80E+00	8.09E+00	2.77E-02	4.22E+00	2.10E-02	2.20E-02	2.40E-02	1.96E-02	-1.92E+01	-1.93E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Douglas solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.08E+01	1.27E-02	2.87E+00	3.73E+00	6.54E-03	4.56E+00	3.66E-03	3.82E-03	1.38E+01	1.38E+01	-2.93E+01	-2.96E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.37E+01	-1.37E+01	1.37E+01	1.37E+01
PERT	[MJ]	5.78E+01	1.27E-02	3.72E+00	4.58E+00	6.54E-03	4.56E+00	3.66E-03	3.82E-03	1.79E-02	1.35E-02	-1.56E+01	-1.58E+01
PENRE	[MJ]	2.92E+00	1.75E-01	1.70E+00	1.15E+01	1.39E-01	7.05E+00	5.05E-02	5.28E-02	7.79E-02	7.69E-02	-3.97E+00	-4.54E+00
PENRM	[MJ]	5.40E-01	0.00E+00	2.62E+00	2.08E+00	1.41E-01	6.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.46E+00	1.75E-01	4.32E+00	1.36E+01	2.80E-01	7.75E+00	5.05E-02	5.28E-02	7.79E-02	7.69E-02	-3.97E+00	-4.54E+00
SM	[kg]	3.21E-03	0.00E+00	6.27E-02	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.81E-03	1.39E-05	9.87E-04	2.32E-02	3.68E-04	3.76E-03	4.01E-06	4.19E-06	3.84E-04	1.97E-04	-5.71E-04	-6.03E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Douglas solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	3.64E-09	5.41E-13	5.19E-11	3.17E-11	-3.53E-14	-8.91E-10	1.56E-13	1.63E-13	-2.30E-12	9.93E-13	3.11E-10	3.66E-10
NHWD	[kg]	1.06E-02	2.66E-05	6.26E-03	4.85E-03	5.68E-05	1.97E-02	7.70E-06	8.04E-06	3.32E-03	3.07E-03	-3.32E-03	-3.52E-03
RWD	[kg]	3.66E-05	3.27E-07	5.62E-05	4.46E-05	4.74E-08	2.55E-04	9.46E-08	9.87E-08	1.40E-06	1.25E-06	-6.75E-05	-7.75E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.88E-03	0.00E+00	2.15E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-01	8.09E-01	0.00E+00	0.00E+00
MER	[kg]	9.22E-01	0.00E+00	4.61E-02	4.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	1.01E-02	0.00E+00	1.93E-01	1.93E-01	0.00E+00	4.94E-01	0.00E+00	0.00E+00	3.26E-01	1.56E-01	0.00E+00	0.00E+00
EET	[MJ]	4.37E-02	0.00E+00	8.38E-01	8.38E-01	0.00E+00	2.12E+00	0.00E+00	0.00E+00	1.39E+00	6.42E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Douglas solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Nordic pine solid wood flooring 30 mm (oiled) and Nordic pine solid wood flooring 35 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg)													
Nordic pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.35E+00	1.27E-02	7.15E-02	5.18E-01	1.61E-01	3.32E-01	3.83E-03	3.95E-03	1.46E+00	1.41E+00	-1.54E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	2.05E-01	1.26E-02	6.79E-02	5.03E-01	8.25E-02	1.44E-01	3.79E-03	3.90E-03	1.16E-01	6.26E-02	-1.94E-01	-2.20E-01
GWP-bio	[kg CO ₂ eq.]	-1.56E+00	2.88E-05	2.76E-03	1.40E-02	4.26E-02	1.84E-01	8.67E-06	8.94E-06	1.35E+00	1.35E+00	-1.35E+00	-1.35E+00
GWP-luluc	[kg CO ₂ eq.]	2.88E-03	1.18E-04	8.74E-04	1.22E-03	3.58E-02	4.32E-03	3.55E-05	3.66E-05	1.77E-05	1.75E-05	-6.80E-05	-6.66E-05
ODP	[kg CFC 11 eq.]	2.12E-08	1.66E-15	1.29E-09	1.84E-07	1.13E-08	1.36E-09	4.99E-16	5.14E-16	1.54E-14	1.35E-14	-8.57E-13	-9.88E-13
AP	[mol H ⁺ eq.]	1.92E-03	1.88E-05	2.36E-04	2.58E-03	1.18E-03	4.20E-04	5.65E-06	5.83E-06	4.51E-05	7.32E-05	-2.33E-04	-2.37E-04
EP-fw	[kg P eq.]	6.48E-05	4.65E-08	9.09E-06	1.41E-04	2.86E-04	3.49E-05	1.40E-08	1.44E-08	1.18E-08	1.07E-08	-3.04E-07	-3.45E-07
EP-mar	[kg N eq.]	6.62E-04	6.81E-06	6.34E-05	6.23E-04	3.03E-04	1.44E-04	2.05E-06	2.11E-06	1.57E-05	3.48E-05	-8.60E-05	-9.27E-05
EP-ter	[mol N eq.]	6.50E-03	8.06E-05	6.40E-04	5.10E-03	1.30E-03	1.34E-03	2.43E-05	2.50E-05	2.19E-04	4.02E-04	-9.22E-04	-9.91E-04
POCP	[kg NMVOC eq.]	2.31E-03	1.64E-05	1.97E-04	1.69E-03	3.79E-04	3.10E-04	4.95E-06	5.10E-06	4.16E-05	8.98E-05	-2.39E-04	-2.56E-04
ADP-mm ¹	[kg Sb eq.]	9.62E-07	8.44E-10	3.47E-07	5.41E-06	8.44E-07	1.34E-07	2.54E-10	2.62E-10	2.57E-09	2.53E-09	-1.48E-07	-7.53E-08
ADP-fos ¹	[MJ]	4.23E+00	1.73E-01	9.38E-01	9.40E+00	1.72E+00	1.34E+00	5.22E-02	5.38E-02	7.10E-02	7.03E-02	-3.12E+00	-3.55E+00
WDP ¹	[m ³]	8.06E-02	1.54E-04	2.47E-02	7.29E-01	2.34E-01	6.29E-02	4.63E-05	4.78E-05	1.21E-02	6.19E-03	-6.08E-03	-5.71E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Nordic pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	5.67E-08	1.62E-10	4.37E-09	2.72E-08	6.25E-09	2.39E-09	4.87E-11	5.02E-11	4.06E-10	4.12E-10	-1.77E-08	-1.76E-08
IRP2	[kBq U235 eq.]	3.19E-02	4.86E-05	5.24E-03	4.62E-02	7.74E-03	1.38E-02	1.46E-05	1.51E-05	1.64E-04	1.51E-04	-6.27E-03	-7.10E-03
ETP-fw1	[CTUe]	1.76E+00	1.24E-01	4.35E-01	1.31E+01	2.70E+00	6.34E-01	3.74E-02	3.86E-02	3.63E-02	3.59E-02	-2.37E-01	-2.31E-01
HTP-c1	[CTUh]	2.42E-09	2.52E-12	3.12E-09	1.82E-09	2.06E-10	8.29E-11	7.59E-13	7.82E-13	1.82E-12	2.48E-12	-5.04E-11	-5.11E-11
HTP-nc1	[CTUh]	4.33E-09	1.12E-10	5.97E-10	6.85E-09	1.46E-09	7.82E-10	3.38E-11	3.48E-11	7.49E-11	2.01E-10	-2.46E-10	-2.62E-10
SQP1	-	2.49E+02	7.24E-02	1.29E+01	1.46E+01	2.74E+00	2.22E+00	2.18E-02	2.25E-02	2.14E-02	1.82E-02	-2.01E+01	-2.02E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Nordic pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	3.77E+01	1.26E-02	2.42E+00	3.06E+00	3.48E-01	2.90E+00	3.80E-03	3.92E-03	1.46E+01	1.46E+01	-3.08E+01	-3.09E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.60E-01	8.60E-01	4.73E-01	5.67E-02	0.00E+00	0.00E+00	-1.46E+01	-1.46E+01	1.46E+01	1.46E+01
PERT	[MJ]	5.47E+01	1.26E-02	3.28E+00	3.92E+00	8.20E-01	2.95E+00	3.80E-03	3.92E-03	1.45E-02	1.12E-02	-1.61E+01	-1.63E+01
PENRE	[MJ]	3.84E+00	1.74E-01	7.00E-01	7.95E+00	1.72E+00	1.34E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
PENRM	[MJ]	3.98E-01	0.00E+00	1.85E+00	1.45E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.24E+00	1.74E-01	2.55E+00	9.40E+00	1.76E+00	1.35E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
SM	[kg]	2.37E-03	0.00E+00	4.63E-02	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	2.05E-03	1.38E-05	7.01E-04	1.71E-02	5.44E-03	2.07E-03	4.16E-06	4.29E-06	2.87E-04	1.49E-04	-4.60E-04	-4.84E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Nordic pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.69E-09	5.39E-13	-2.08E-11	-3.57E-11	5.85E-12	-1.01E-09	1.62E-13	1.67E-13	-1.73E-12	6.97E-13	2.47E-10	2.87E-10
NHWD	[kg]	7.82E-03	2.65E-05	3.51E-03	2.47E-03	1.22E-04	6.01E-03	7.99E-06	8.24E-06	2.45E-03	2.27E-03	-2.59E-03	-2.74E-03
RWD	[kg]	2.70E-05	3.26E-07	2.92E-05	2.06E-05	2.55E-06	1.14E-04	9.81E-08	1.01E-07	1.22E-06	1.10E-06	-5.48E-05	-6.22E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.12E-03	0.00E+00	1.59E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-01	8.60E-01	0.00E+00	0.00E+00
MER	[kg]	3.57E-01	0.00E+00	1.78E-02	1.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.43E-03	0.00E+00	1.74E-01	1.74E-01	0.00E+00	3.62E-01	0.00E+00	0.00E+00	2.40E-01	1.15E-01	0.00E+00	0.00E+00
EET	[MJ]	3.23E-02	0.00E+00	7.59E-01	7.59E-01	0.00E+00	1.56E+00	0.00E+00	0.00E+00	1.03E+00	4.74E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Nordic pine solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Nordic pine solid wood flooring 30 mm (lacquered) and Nordic pine solid wood flooring 35 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Nordic pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.35E+00	1.27E-02	1.03E-01	5.50E-01	8.56E-03	5.20E-01	3.83E-03	3.95E-03	1.46E+00	1.41E+00	-1.54E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	2.05E-01	1.26E-02	1.01E-01	5.36E-01	8.54E-03	3.40E-01	3.79E-03	3.90E-03	1.16E-01	6.26E-02	-1.94E-01	-2.20E-01
GWP-bio	[kg CO ₂ eq.]	-1.56E+00	2.88E-05	2.12E-03	1.34E-02	2.54E-05	1.80E-01	8.67E-06	8.94E-06	1.35E+00	1.35E+00	-1.35E+00	-1.35E+00
GWP-luluc	[kg CO ₂ eq.]	2.88E-03	1.18E-04	1.66E-04	5.15E-04	3.63E-06	6.61E-05	3.55E-05	3.66E-05	1.77E-05	1.75E-05	-6.80E-05	-6.66E-05
ODP	[kg CFC 11 eq.]	2.12E-08	1.66E-15	1.06E-09	1.84E-07	2.98E-08	2.59E-12	4.99E-16	5.14E-16	1.54E-14	1.35E-14	-8.57E-13	-9.88E-13
AP	[mol H ⁺ eq.]	1.92E-03	1.88E-05	2.72E-04	2.61E-03	5.94E-05	6.40E-04	5.65E-06	5.83E-06	4.51E-05	7.32E-05	-2.33E-04	-2.37E-04
EP-fw	[kg P eq.]	6.48E-05	4.65E-08	3.44E-06	1.35E-04	1.80E-06	1.01E-06	1.40E-08	1.44E-08	1.18E-08	1.07E-08	-3.04E-07	-3.45E-07
EP-mar	[kg N eq.]	6.62E-04	6.81E-06	7.26E-05	6.33E-04	7.70E-06	1.99E-04	2.05E-06	2.11E-06	1.57E-05	3.48E-05	-8.60E-05	-9.27E-05
EP-ter	[mol N eq.]	6.50E-03	8.06E-05	7.80E-04	5.24E-03	8.28E-05	2.18E-03	2.43E-05	2.50E-05	2.19E-04	4.02E-04	-9.22E-04	-9.91E-04
POCP	[kg NMVOC eq.]	2.31E-03	1.64E-05	2.46E-04	1.74E-03	3.36E-05	6.06E-04	4.95E-06	5.10E-06	4.16E-05	8.98E-05	-2.39E-04	-2.56E-04
ADP-mm ¹	[kg Sb eq.]	9.62E-07	8.44E-10	3.31E-07	5.40E-06	7.12E-08	4.08E-08	2.54E-10	2.62E-10	2.57E-09	2.53E-09	-1.48E-07	-7.53E-08
ADP-fos ¹	[MJ]	4.23E+00	1.73E-01	1.67E+00	1.01E+01	2.06E-01	5.71E+00	5.22E-02	5.38E-02	7.10E-02	7.03E-02	-3.12E+00	-3.55E+00
WDP ¹	[m ³]	8.06E-02	1.54E-04	2.59E-02	7.31E-01	1.16E-02	7.02E-02	4.63E-05	4.78E-05	1.21E-02	6.19E-03	-6.08E-03	-5.71E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Nordic pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	5.67E-08	1.62E-10	4.73E-09	2.76E-08	4.67E-10	4.53E-09	4.87E-11	5.02E-11	4.06E-10	4.12E-10	-1.77E-08	-1.76E-08
IRP2	[kBq U235 eq.]	3.19E-02	4.86E-05	7.02E-03	4.79E-02	3.95E-04	2.45E-02	1.46E-05	1.51E-05	1.64E-04	1.51E-04	-6.27E-03	-7.10E-03
ETP-fw1	[CTUe]	1.76E+00	1.24E-01	6.63E-01	1.33E+01	6.01E-02	2.00E+00	3.74E-02	3.86E-02	3.63E-02	3.59E-02	-2.37E-01	-2.31E-01
HTP-c1	[CTUh]	2.42E-09	2.52E-12	3.14E-09	1.84E-09	1.51E-11	1.68E-10	7.59E-13	7.82E-13	1.82E-12	2.48E-12	-5.04E-11	-5.11E-11
HTP-nc1	[CTUh]	4.33E-09	1.12E-10	2.02E-09	8.27E-09	9.37E-11	9.35E-09	3.38E-11	3.48E-11	7.49E-11	2.01E-10	-2.46E-10	-2.62E-10
SQP1	-	2.49E+02	7.24E-02	1.30E+01	1.47E+01	2.04E-02	3.11E+00	2.18E-02	2.25E-02	2.14E-02	1.82E-02	-2.01E+01	-2.02E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Nordic pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	3.77E+01	1.26E-02	2.50E+00	3.14E+00	4.82E-03	3.36E+00	3.80E-03	3.92E-03	1.46E+01	1.46E+01	-3.08E+01	-3.09E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.46E+01	-1.46E+01	1.46E+01	1.46E+01
PERT	[MJ]	5.47E+01	1.26E-02	3.35E+00	3.99E+00	4.82E-03	3.36E+00	3.80E-03	3.92E-03	1.45E-02	1.12E-02	-1.61E+01	-1.63E+01
PENRE	[MJ]	3.84E+00	1.74E-01	1.34E+00	8.59E+00	1.02E-01	5.20E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
PENRM	[MJ]	3.98E-01	0.00E+00	1.93E+00	1.54E+00	1.04E-01	5.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.24E+00	1.74E-01	3.28E+00	1.01E+01	2.06E-01	5.71E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
SM	[kg]	2.37E-03	0.00E+00	4.63E-02	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	2.05E-03	1.38E-05	8.18E-04	1.72E-02	2.71E-04	2.77E-03	4.16E-06	4.29E-06	2.87E-04	1.49E-04	-4.60E-04	-4.84E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Nordic pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.69E-09	5.39E-13	3.78E-11	2.28E-11	-2.60E-14	-6.58E-10	1.62E-13	1.67E-13	-1.73E-12	6.97E-13	2.47E-10	2.87E-10
NHWD	[kg]	7.82E-03	2.65E-05	4.93E-03	3.89E-03	4.19E-05	1.45E-02	7.99E-06	8.24E-06	2.45E-03	2.27E-03	-2.59E-03	-2.74E-03
RWD	[kg]	2.70E-05	3.26E-07	4.16E-05	3.30E-05	3.50E-08	1.88E-04	9.81E-08	1.01E-07	1.22E-06	1.10E-06	-5.48E-05	-6.22E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.12E-03	0.00E+00	1.59E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-01	8.60E-01	0.00E+00	0.00E+00
MER	[kg]	3.57E-01	0.00E+00	1.78E-02	1.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.43E-03	0.00E+00	1.74E-01	1.74E-01	0.00E+00	3.62E-01	0.00E+00	0.00E+00	2.40E-01	1.15E-01	0.00E+00	0.00E+00
EET	[MJ]	3.23E-02	0.00E+00	7.59E-01	7.59E-01	0.00E+00	1.56E+00	0.00E+00	0.00E+00	1.03E+00	4.74E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Nordic pine solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Pitch pine solid wood flooring 20 mm (oiled) and Pitch pine solid wood flooring 26 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.05E+00	1.28E-02	1.38E-01	9.90E-01	3.07E-01	5.38E-01	3.73E-03	3.96E-03	1.46E+00	1.36E+00	-1.52E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	5.06E-01	1.27E-02	1.33E-01	9.62E-01	1.57E-01	2.52E-01	3.69E-03	3.92E-03	2.19E-01	1.17E-01	-2.79E-01	-3.27E-01
GWP-bio	[kg CO ₂ eq.]	-1.56E+00	2.90E-05	3.73E-03	2.52E-02	8.12E-02	2.78E-01	8.45E-06	8.96E-06	1.24E+00	1.24E+00	-1.24E+00	-1.24E+00
GWP-luluc	[kg CO ₂ eq.]	2.65E-03	1.19E-04	1.52E-03	2.18E-03	6.82E-02	8.22E-03	3.46E-05	3.67E-05	1.69E-05	1.66E-05	-7.32E-05	-7.06E-05
ODP	[kg CFC 11 eq.]	1.49E-08	1.67E-15	1.18E-09	3.49E-07	2.16E-08	2.59E-09	4.86E-16	5.16E-16	2.56E-14	2.20E-14	-1.23E-12	-1.48E-12
AP	[mol H ⁺ eq.]	5.34E-03	1.89E-05	5.17E-04	4.98E-03	2.25E-03	7.49E-04	5.51E-06	5.84E-06	7.43E-05	1.28E-04	-3.21E-04	-3.29E-04
EP-fw	[kg P eq.]	5.16E-05	4.69E-08	1.37E-05	2.65E-04	5.44E-04	6.66E-05	1.37E-08	1.45E-08	1.49E-08	1.27E-08	-4.20E-07	-4.99E-07
EP-mar	[kg N eq.]	1.84E-03	6.86E-06	1.46E-04	1.21E-03	5.78E-04	2.51E-04	2.00E-06	2.12E-06	2.46E-05	6.10E-05	-1.11E-04	-1.24E-04
EP-ter	[mol N eq.]	1.90E-02	8.13E-05	1.48E-03	9.98E-03	2.48E-03	2.27E-03	2.36E-05	2.51E-05	3.59E-04	7.06E-04	-1.19E-03	-1.32E-03
POCP	[kg NMVOC eq.]	5.16E-03	1.66E-05	4.02E-04	3.25E-03	7.22E-04	5.30E-04	4.82E-06	5.12E-06	6.47E-05	1.57E-04	-3.09E-04	-3.41E-04
ADP-mm ¹	[kg Sb eq.]	1.34E-06	8.51E-10	6.36E-07	1.03E-05	1.61E-06	2.56E-07	2.48E-10	2.63E-10	2.50E-09	2.43E-09	-2.75E-07	-1.36E-07
ADP-fos ¹	[MJ]	7.66E+00	1.75E-01	1.74E+00	1.79E+01	3.28E+00	2.53E+00	5.09E-02	5.40E-02	9.13E-02	8.99E-02	-4.48E+00	-5.28E+00
WDP ¹	[m ³]	9.03E-02	1.55E-04	3.57E-02	1.38E+00	4.45E-01	1.09E-01	4.51E-05	4.79E-05	2.27E-02	1.14E-02	-9.41E-03	-8.70E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.26E-07	1.63E-10	9.12E-09	5.27E-08	1.19E-08	4.39E-09	4.74E-11	5.03E-11	5.52E-10	5.63E-10	-1.73E-08	-1.70E-08
IRP2	[kBq U235 eq.]	1.94E-02	4.90E-05	7.86E-03	8.59E-02	1.47E-02	2.63E-02	1.42E-05	1.51E-05	2.17E-04	1.93E-04	-8.58E-03	-1.02E-02
ETP-fw1	[CTUe]	4.01E+00	1.25E-01	8.52E-01	2.50E+01	5.15E+00	1.20E+00	3.64E-02	3.87E-02	3.99E-02	3.91E-02	-3.33E-01	-3.21E-01
HTP-c1	[CTUh]	4.44E-09	2.54E-12	5.94E-09	3.46E-09	3.92E-10	1.57E-10	7.39E-13	7.85E-13	2.81E-12	4.07E-12	-7.42E-11	-7.56E-11
HTP-nc1	[CTUh]	7.56E-09	1.13E-10	1.07E-09	1.30E-08	2.78E-09	1.39E-09	3.29E-11	3.49E-11	1.19E-10	3.59E-10	-3.32E-10	-3.62E-10
SQP1	-	2.94E+02	7.30E-02	1.55E+01	1.87E+01	5.23E+00	4.21E+00	2.13E-02	2.26E-02	2.89E-02	2.27E-02	-1.89E+01	-1.91E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.96E+01	1.27E-02	3.49E+00	4.71E+00	6.62E-01	5.51E+00	3.70E-03	3.93E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.69E-01	8.69E-01	9.01E-01	1.08E-01	0.00E+00	0.00E+00	-1.34E+01	-1.34E+01	1.34E+01	1.34E+01
PERT	[MJ]	6.66E+01	1.27E-02	4.36E+00	5.58E+00	1.56E+00	5.62E+00	3.70E-03	3.93E-03	2.35E-02	1.73E-02	-1.54E+01	-1.58E+01
PENRE	[MJ]	6.91E+00	1.75E-01	1.29E+00	1.51E+01	3.28E+00	2.53E+00	5.11E-02	5.42E-02	9.14E-02	9.00E-02	-4.48E+00	-5.28E+00
PENRM	[MJ]	7.59E-01	0.00E+00	3.52E+00	2.76E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	7.68E+00	1.75E-01	4.81E+00	1.79E+01	3.36E+00	2.54E+00	5.11E-02	5.42E-02	9.14E-02	9.00E-02	-4.48E+00	-5.28E+00
SM	[kg]	4.51E-03	0.00E+00	8.82E-02	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	2.46E-03	1.39E-05	1.07E-03	3.23E-02	1.04E-02	3.69E-03	4.05E-06	4.30E-06	5.34E-04	2.71E-04	-6.55E-04	-7.00E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	5.13E-09	5.43E-13	-3.76E-11	-6.60E-11	1.11E-11	-1.92E-09	1.58E-13	1.68E-13	-3.19E-12	1.44E-12	3.48E-10	4.25E-10
NHWD	[kg]	1.51E-02	2.67E-05	5.63E-03	3.65E-03	2.32E-04	1.08E-02	7.78E-06	8.26E-06	4.66E-03	4.31E-03	-3.85E-03	-4.14E-03
RWD	[kg]	5.40E-05	3.28E-07	5.54E-05	3.90E-05	4.86E-06	2.16E-04	9.56E-08	1.01E-07	1.73E-06	1.51E-06	-7.50E-05	-8.91E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	4.04E-03	0.00E+00	3.02E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-01	7.90E-01	0.00E+00	0.00E+00
MER	[kg]	3.51E-01	0.00E+00	1.76E-02	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	1.42E-02	0.00E+00	2.21E-01	2.21E-01	0.00E+00	5.43E-01	0.00E+00	0.00E+00	4.58E-01	2.19E-01	0.00E+00	0.00E+00
EET	[MJ]	6.15E-02	0.00E+00	9.60E-01	9.60E-01	0.00E+00	2.34E+00	0.00E+00	0.00E+00	1.95E+00	9.03E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Pitch pine solid wood flooring 20 mm (lacquered) and Pitch pine solid wood flooring 26 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.05E+00	1.28E-02	1.98E-01	1.05E+00	1.63E-02	8.96E-01	3.73E-03	3.96E-03	1.46E+00	1.36E+00	-1.52E+00	-1.57E+00
GWP-fossil	[kg CO ₂ eq.]	5.06E-01	1.27E-02	1.96E-01	1.02E+00	1.63E-02	6.26E-01	3.69E-03	3.92E-03	2.19E-01	1.17E-01	-2.79E-01	-3.27E-01
GWP-bio	[kg CO ₂ eq.]	-1.56E+00	2.90E-05	2.50E-03	2.40E-02	4.84E-05	2.70E-01	8.45E-06	8.96E-06	1.24E+00	1.24E+00	-1.24E+00	-1.24E+00
GWP-luluc	[kg CO ₂ eq.]	2.65E-03	1.19E-04	1.68E-04	8.32E-04	6.92E-06	1.25E-04	3.46E-05	3.67E-05	1.69E-05	1.66E-05	-7.32E-05	-7.06E-05
ODP	[kg CFC 11 eq.]	1.49E-08	1.67E-15	7.46E-10	3.48E-07	5.67E-08	4.92E-12	4.86E-16	5.16E-16	2.56E-14	2.20E-14	-1.23E-12	-1.48E-12
AP	[mol H ⁺ eq.]	5.34E-03	1.89E-05	5.87E-04	5.05E-03	1.13E-04	1.17E-03	5.51E-06	5.84E-06	7.43E-05	1.28E-04	-3.21E-04	-3.29E-04
EP-fw	[kg P eq.]	5.16E-05	4.69E-08	2.96E-06	2.54E-04	3.43E-06	1.93E-06	1.37E-08	1.45E-08	1.49E-08	1.27E-08	-4.20E-07	-4.99E-07
EP-mar	[kg N eq.]	1.84E-03	6.86E-06	1.63E-04	1.23E-03	1.47E-05	3.56E-04	2.00E-06	2.12E-06	2.46E-05	6.10E-05	-1.11E-04	-1.24E-04
EP-ter	[mol N eq.]	1.90E-02	8.13E-05	1.75E-03	1.02E-02	1.58E-04	3.86E-03	2.36E-05	2.51E-05	3.59E-04	7.06E-04	-1.19E-03	-1.32E-03
POCP	[kg NMVOC eq.]	5.16E-03	1.66E-05	4.96E-04	3.34E-03	6.41E-05	1.10E-03	4.82E-06	5.12E-06	6.47E-05	1.57E-04	-3.09E-04	-3.41E-04
ADP-mm ¹	[kg Sb eq.]	1.34E-06	8.51E-10	6.06E-07	1.03E-05	1.36E-07	7.77E-08	2.48E-10	2.63E-10	2.50E-09	2.43E-09	-2.75E-07	-1.36E-07
ADP-fos ¹	[MJ]	7.66E+00	1.75E-01	3.13E+00	1.92E+01	3.93E-01	1.09E+01	5.09E-02	5.40E-02	9.13E-02	8.99E-02	-4.48E+00	-5.28E+00
WDP ¹	[m ³]	9.03E-02	1.55E-04	3.80E-02	1.38E+00	2.22E-02	1.23E-01	4.51E-05	4.79E-05	2.27E-02	1.14E-02	-9.41E-03	-8.70E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.26E-07	1.63E-10	9.80E-09	5.34E-08	8.90E-10	8.46E-09	4.74E-11	5.03E-11	5.52E-10	5.63E-10	-1.73E-08	-1.70E-08
IRP2	[kBq U235 eq.]	1.94E-02	4.90E-05	1.13E-02	8.92E-02	7.52E-04	4.66E-02	1.42E-05	1.51E-05	2.17E-04	1.93E-04	-8.58E-03	-1.02E-02
ETP-fw1	[CTUe]	4.01E+00	1.25E-01	1.29E+00	2.54E+01	1.14E-01	3.80E+00	3.64E-02	3.87E-02	3.99E-02	3.91E-02	-3.33E-01	-3.21E-01
HTP-c1	[CTUh]	4.44E-09	2.54E-12	5.97E-09	3.49E-09	2.87E-11	3.19E-10	7.39E-13	7.85E-13	2.81E-12	4.07E-12	-7.42E-11	-7.56E-11
HTP-nc1	[CTUh]	7.56E-09	1.13E-10	3.79E-09	1.57E-08	1.79E-10	1.77E-08	3.29E-11	3.49E-11	1.19E-10	3.59E-10	-3.32E-10	-3.62E-10
SQP1	-	2.94E+02	7.30E-02	1.57E+01	1.90E+01	3.89E-02	5.92E+00	2.13E-02	2.26E-02	2.89E-02	2.27E-02	-1.89E+01	-1.91E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Pitch pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	4.96E+01	1.27E-02	3.64E+00	4.85E+00	9.19E-03	6.40E+00	3.70E-03	3.93E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.34E+01	-1.34E+01	1.34E+01	1.34E+01
PERT	[MJ]	6.66E+01	1.27E-02	4.49E+00	5.71E+00	9.19E-03	6.40E+00	3.70E-03	3.93E-03	2.35E-02	1.73E-02	-1.54E+01	-1.58E+01
PENRE	[MJ]	6.91E+00	1.75E-01	2.51E+00	1.63E+01	1.95E-01	9.89E+00	5.11E-02	5.42E-02	9.14E-02	9.00E-02	-4.48E+00	-5.28E+00
PENRM	[MJ]	7.59E-01	0.00E+00	3.68E+00	2.93E+00	1.98E-01	9.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	7.68E+00	1.75E-01	6.20E+00	1.92E+01	3.93E-01	1.09E+01	5.11E-02	5.42E-02	9.14E-02	9.00E-02	-4.48E+00	-5.28E+00
SM	[kg]	4.51E-03	0.00E+00	8.82E-02	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	2.46E-03	1.39E-05	1.30E-03	3.25E-02	5.17E-04	5.04E-03	4.05E-06	4.30E-06	5.34E-04	2.71E-04	-6.55E-04	-7.00E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg)													
Pitch pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	5.13E-09	5.43E-13	7.40E-11	4.56E-11	-4.96E-14	-1.25E-09	1.58E-13	1.68E-13	-3.19E-12	1.44E-12	3.48E-10	4.25E-10
NHWD	[kg]	1.51E-02	2.67E-05	8.33E-03	6.35E-03	7.98E-05	2.70E-02	7.78E-06	8.26E-06	4.66E-03	4.31E-03	-3.85E-03	-4.14E-03
RWD	[kg]	5.40E-05	3.28E-07	7.90E-05	6.26E-05	6.66E-08	3.58E-04	9.56E-08	1.01E-07	1.73E-06	1.51E-06	-7.50E-05	-8.91E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	4.04E-03	0.00E+00	3.02E-03	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-01	7.90E-01	0.00E+00	0.00E+00
MER	[kg]	3.51E-01	0.00E+00	1.76E-02	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	1.42E-02	0.00E+00	2.21E-01	2.21E-01	0.00E+00	5.43E-01	0.00E+00	0.00E+00	4.58E-01	2.19E-01	0.00E+00	0.00E+00
EET	[MJ]	6.15E-02	0.00E+00	9.60E-01	9.60E-01	0.00E+00	2.34E+00	0.00E+00	0.00E+00	1.95E+00	9.03E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg)		
Pitch pine solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Pomeranian pine solid wood flooring 30 mm (oiled) and Pomeranian pine solid wood flooring 35 mm (oiled)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.51E+00	1.27E-02	6.38E-02	5.11E-01	1.61E-01	3.32E-01	3.83E-03	3.95E-03	1.60E+00	1.54E+00	-1.67E+00	-1.70E+00
GWP-fossil	[kg CO ₂ eq.]	2.04E-01	1.26E-02	6.78E-02	5.03E-01	8.25E-02	1.44E-01	3.79E-03	3.90E-03	1.16E-01	6.26E-02	-1.94E-01	-2.20E-01
GWP-bio	[kg CO ₂ eq.]	-1.72E+00	2.88E-05	-4.96E-03	6.31E-03	4.26E-02	1.84E-01	8.67E-06	8.94E-06	1.48E+00	1.48E+00	-1.48E+00	-1.48E+00
GWP-luluc	[kg CO ₂ eq.]	3.87E-03	1.18E-04	9.24E-04	1.27E-03	3.58E-02	4.32E-03	3.55E-05	3.66E-05	1.77E-05	1.75E-05	-6.80E-05	-6.66E-05
ODP	[kg CFC 11 eq.]	9.82E-09	1.66E-15	7.18E-10	1.83E-07	1.13E-08	1.36E-09	4.99E-16	5.14E-16	1.54E-14	1.35E-14	-8.57E-13	-9.88E-13
AP	[mol H ⁺ eq.]	1.27E-03	1.88E-05	2.03E-04	2.54E-03	1.18E-03	4.20E-04	5.65E-06	5.83E-06	4.51E-05	7.32E-05	-2.33E-04	-2.37E-04
EP-fw	[kg P eq.]	3.05E-05	4.65E-08	7.38E-06	1.39E-04	2.86E-04	3.49E-05	1.40E-08	1.44E-08	1.18E-08	1.07E-08	-3.04E-07	-3.45E-07
EP-mar	[kg N eq.]	4.35E-04	6.81E-06	5.20E-05	6.12E-04	3.03E-04	1.44E-04	2.05E-06	2.11E-06	1.57E-05	3.48E-05	-8.60E-05	-9.27E-05
EP-ter	[mol N eq.]	4.02E-03	8.06E-05	5.16E-04	4.98E-03	1.30E-03	1.34E-03	2.43E-05	2.50E-05	2.19E-04	4.02E-04	-9.22E-04	-9.91E-04
POCP	[kg NMVOC eq.]	1.87E-03	1.64E-05	1.75E-04	1.67E-03	3.79E-04	3.10E-04	4.95E-06	5.10E-06	4.16E-05	8.98E-05	-2.39E-04	-2.56E-04
ADP-mm ¹	[kg Sb eq.]	7.10E-07	8.44E-10	3.34E-07	5.40E-06	8.44E-07	1.34E-07	2.54E-10	2.62E-10	2.57E-09	2.53E-09	-1.48E-07	-7.53E-08
ADP-fos ¹	[MJ]	3.25E+00	1.73E-01	8.89E-01	9.35E+00	1.72E+00	1.34E+00	5.22E-02	5.38E-02	7.10E-02	7.03E-02	-3.12E+00	-3.55E+00
WDP ¹	[m ³]	5.45E-02	1.54E-04	2.33E-02	7.28E-01	2.34E-01	6.29E-02	4.63E-05	4.78E-05	1.21E-02	6.19E-03	-6.08E-03	-5.71E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.72E-08	1.62E-10	2.39E-09	2.53E-08	6.25E-09	2.39E-09	4.87E-11	5.02E-11	4.06E-10	4.12E-10	-1.77E-08	-1.76E-08
IRP2	[kBq U235 eq.]	8.45E-03	4.86E-05	4.07E-03	4.50E-02	7.74E-03	1.38E-02	1.46E-05	1.51E-05	1.64E-04	1.51E-04	-6.27E-03	-7.10E-03
ETP-fw1	[CTUe]	1.86E+00	1.24E-01	4.40E-01	1.31E+01	2.70E+00	6.34E-01	3.74E-02	3.86E-02	3.63E-02	3.59E-02	-2.37E-01	-2.31E-01
HTP-c1	[CTUh]	2.36E-09	2.52E-12	3.12E-09	1.82E-09	2.06E-10	8.29E-11	7.59E-13	7.82E-13	1.82E-12	2.48E-12	-5.04E-11	-5.11E-11
HTP-nc1	[CTUh]	3.31E-09	1.12E-10	5.46E-10	6.80E-09	1.46E-09	7.82E-10	3.38E-11	3.48E-11	7.49E-11	2.01E-10	-2.46E-10	-2.62E-10
SQP1	-	2.32E+02	7.24E-02	1.20E+01	1.37E+01	2.74E+00	2.22E+00	2.18E-02	2.25E-02	2.14E-02	1.82E-02	-2.01E+01	-2.02E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	3.37E+01	1.26E-02	2.22E+00	2.86E+00	3.48E-01	2.90E+00	3.80E-03	3.92E-03	1.46E+01	1.46E+01	-3.08E+01	-3.09E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.60E-01	8.60E-01	4.73E-01	5.67E-02	0.00E+00	0.00E+00	-1.46E+01	-1.46E+01	1.46E+01	1.46E+01
PERT	[MJ]	5.07E+01	1.26E-02	3.08E+00	3.72E+00	8.20E-01	2.95E+00	3.80E-03	3.92E-03	1.45E-02	1.12E-02	-1.61E+01	-1.63E+01
PENRE	[MJ]	2.86E+00	1.74E-01	6.51E-01	7.90E+00	1.72E+00	1.34E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
PENRM	[MJ]	3.98E-01	0.00E+00	1.85E+00	1.45E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.27E+00	1.74E-01	2.50E+00	9.35E+00	1.76E+00	1.35E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
SM	[kg]	2.37E-03	0.00E+00	4.63E-02	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.47E-03	1.38E-05	6.72E-04	1.71E-02	5.44E-03	2.07E-03	4.16E-06	4.29E-06	2.87E-04	1.49E-04	-4.60E-04	-4.84E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.69E-09	5.39E-13	-2.07E-11	-3.57E-11	5.85E-12	-1.01E-09	1.62E-13	1.67E-13	-1.73E-12	6.97E-13	2.47E-10	2.87E-10
NHWD	[kg]	7.90E-03	2.65E-05	3.52E-03	2.48E-03	1.22E-04	6.01E-03	7.99E-06	8.24E-06	2.45E-03	2.27E-03	-2.59E-03	-2.74E-03
RWD	[kg]	2.80E-05	3.26E-07	2.93E-05	2.07E-05	2.55E-06	1.14E-04	9.81E-08	1.01E-07	1.22E-06	1.10E-06	-5.48E-05	-6.22E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.12E-03	0.00E+00	1.59E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-01	8.60E-01	0.00E+00	0.00E+00
MER	[kg]	9.23E-01	0.00E+00	4.62E-02	4.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.43E-03	0.00E+00	1.74E-01	1.74E-01	0.00E+00	3.62E-01	0.00E+00	0.00E+00	2.40E-01	1.15E-01	0.00E+00	0.00E+00
EET	[MJ]	3.23E-02	0.00E+00	7.59E-01	7.59E-01	0.00E+00	1.56E+00	0.00E+00	0.00E+00	1.03E+00	4.74E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (oiled)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Results for: Pomeranian pine solid wood flooring 30 mm (lacquered) and Pomeranian pine solid wood flooring 35 mm (lacquered)

ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP-total	[kg CO ₂ eq.]	-1.51E+00	1.27E-02	9.52E-02	5.42E-01	8.56E-03	5.20E-01	3.83E-03	3.95E-03	1.60E+00	1.54E+00	-1.67E+00	-1.70E+00
GWP-fossil	[kg CO ₂ eq.]	2.04E-01	1.26E-02	1.01E-01	5.36E-01	8.54E-03	3.40E-01	3.79E-03	3.90E-03	1.16E-01	6.26E-02	-1.94E-01	-2.20E-01
GWP-bio	[kg CO ₂ eq.]	-1.72E+00	2.88E-05	-5.61E-03	5.67E-03	2.54E-05	1.80E-01	8.67E-06	8.94E-06	1.48E+00	1.48E+00	-1.48E+00	-1.48E+00
GWP-luluc	[kg CO ₂ eq.]	3.87E-03	1.18E-04	2.15E-04	5.64E-04	3.63E-06	6.61E-05	3.55E-05	3.66E-05	1.77E-05	1.75E-05	-6.80E-05	-6.66E-05
ODP	[kg CFC 11 eq.]	9.82E-09	1.66E-15	4.92E-10	1.83E-07	2.98E-08	2.59E-12	4.99E-16	5.14E-16	1.54E-14	1.35E-14	-8.57E-13	-9.88E-13
AP	[mol H ⁺ eq.]	1.27E-03	1.88E-05	2.40E-04	2.58E-03	5.94E-05	6.40E-04	5.65E-06	5.83E-06	4.51E-05	7.32E-05	-2.33E-04	-2.37E-04
EP-fw	[kg P eq.]	3.05E-05	4.65E-08	1.73E-06	1.34E-04	1.80E-06	1.01E-06	1.40E-08	1.44E-08	1.18E-08	1.07E-08	-3.04E-07	-3.45E-07
EP-mar	[kg N eq.]	4.35E-04	6.81E-06	6.12E-05	6.21E-04	7.70E-06	1.99E-04	2.05E-06	2.11E-06	1.57E-05	3.48E-05	-8.60E-05	-9.27E-05
EP-ter	[mol N eq.]	4.02E-03	8.06E-05	6.55E-04	5.12E-03	8.28E-05	2.18E-03	2.43E-05	2.50E-05	2.19E-04	4.02E-04	-9.22E-04	-9.91E-04
POCP	[kg NMVOC eq.]	1.87E-03	1.64E-05	2.24E-04	1.72E-03	3.36E-05	6.06E-04	4.95E-06	5.10E-06	4.16E-05	8.98E-05	-2.39E-04	-2.56E-04
ADP-mm ¹	[kg Sb eq.]	7.10E-07	8.44E-10	3.19E-07	5.38E-06	7.12E-08	4.08E-08	2.54E-10	2.62E-10	2.57E-09	2.53E-09	-1.48E-07	-7.53E-08
ADP-fos ¹	[MJ]	3.25E+00	1.73E-01	1.62E+00	1.01E+01	2.06E-01	5.71E+00	5.22E-02	5.38E-02	7.10E-02	7.03E-02	-3.12E+00	-3.55E+00
WDP ¹	[m ³]	5.45E-02	1.54E-04	2.46E-02	7.29E-01	1.16E-02	7.02E-02	4.63E-05	4.78E-05	1.21E-02	6.19E-03	-6.08E-03	-5.71E-03
Caption	GWP-total = Globale Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-bio = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; 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.												

ADDITIONAL ENVIRONMENTAL EFFECTS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PM	[Disease incidence]	1.72E-08	1.62E-10	2.75E-09	2.56E-08	4.67E-10	4.53E-09	4.87E-11	5.02E-11	4.06E-10	4.12E-10	-1.77E-08	-1.76E-08
IRP2	[kBq U235 eq.]	8.45E-03	4.86E-05	5.84E-03	4.68E-02	3.95E-04	2.45E-02	1.46E-05	1.51E-05	1.64E-04	1.51E-04	-6.27E-03	-7.10E-03
ETP-fw1	[CTUe]	1.86E+00	1.24E-01	6.68E-01	1.33E+01	6.01E-02	2.00E+00	3.74E-02	3.86E-02	3.63E-02	3.59E-02	-2.37E-01	-2.31E-01
HTP-c1	[CTUh]	2.36E-09	2.52E-12	3.14E-09	1.83E-09	1.51E-11	1.68E-10	7.59E-13	7.82E-13	1.82E-12	2.48E-12	-5.04E-11	-5.11E-11
HTP-nc1	[CTUh]	3.31E-09	1.12E-10	1.97E-09	8.22E-09	9.37E-11	9.35E-09	3.38E-11	3.48E-11	7.49E-11	2.01E-10	-2.46E-10	-2.62E-10
SQP1	-	2.32E+02	7.24E-02	1.22E+01	1.38E+01	2.04E-02	3.11E+00	2.18E-02	2.25E-02	2.14E-02	1.82E-02	-2.01E+01	-2.02E+01
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)												
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.												

RESSOURCE CONSUMPTION PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	3.37E+01	1.26E-02	2.30E+00	2.94E+00	4.82E-03	3.36E+00	3.80E-03	3.92E-03	1.46E+01	1.46E+01	-3.08E+01	-3.09E+01
PERM	[MJ]	1.70E+01	0.00E+00	8.51E-01	8.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.46E+01	-1.46E+01	1.46E+01	1.46E+01
PERT	[MJ]	5.07E+01	1.26E-02	3.15E+00	3.79E+00	4.82E-03	3.36E+00	3.80E-03	3.92E-03	1.45E-02	1.12E-02	-1.61E+01	-1.63E+01
PENRE	[MJ]	2.86E+00	1.74E-01	1.29E+00	8.54E+00	1.02E-01	5.20E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
PENRM	[MJ]	3.98E-01	0.00E+00	1.93E+00	1.54E+00	1.04E-01	5.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.27E+00	1.74E-01	3.23E+00	1.01E+01	2.06E-01	5.71E+00	5.24E-02	5.40E-02	7.12E-02	7.04E-02	-3.12E+00	-3.55E+00
SM	[kg]	2.37E-03	0.00E+00	4.63E-02	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m³]	1.47E-03	1.38E-05	7.90E-04	1.72E-02	2.71E-04	2.77E-03	4.16E-06	4.29E-06	2.87E-04	1.49E-04	-4.60E-04	-4.84E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (s1)	A5 (s2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	2.69E-09	5.39E-13	3.79E-11	2.29E-11	-2.60E-14	-6.58E-10	1.62E-13	1.67E-13	-1.73E-12	6.97E-13	2.47E-10	2.87E-10
NHWD	[kg]	7.90E-03	2.65E-05	4.93E-03	3.89E-03	4.19E-05	1.45E-02	7.99E-06	8.24E-06	2.45E-03	2.27E-03	-2.59E-03	-2.74E-03
RWD	[kg]	2.80E-05	3.26E-07	4.17E-05	3.31E-05	3.50E-08	1.88E-04	9.81E-08	1.01E-07	1.22E-06	1.10E-06	-5.48E-05	-6.22E-05
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.12E-03	0.00E+00	1.59E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-01	8.60E-01	0.00E+00	0.00E+00
MER	[kg]	9.23E-01	0.00E+00	4.62E-02	4.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	7.43E-03	0.00E+00	1.74E-01	1.74E-01	0.00E+00	3.62E-01	0.00E+00	0.00E+00	2.40E-01	1.15E-01	0.00E+00	0.00E+00
EET	[MJ]	3.23E-02	0.00E+00	7.59E-01	7.59E-01	0.00E+00	1.56E+00	0.00E+00	0.00E+00	1.03E+00	4.74E-01	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

BIOGENIC CARBON CONTENT PER PRODUKT PER FU (1kg) Pomeranian pine solid wood flooring (lacquered)		
Parameter	Enhed	At factory gate
Biogenic carbon content in product	[kg C]	4.50E-01
Biogenic carbon content in accompanying packaging	[kg C]	0.00E+00
Note	1 kg biogenic carbon is equivalent to 44/12 kg of CO2	

Additional information

LCA interpretation

A contribution analysis has been carried out with the aim of indicating which processes and materials contribute the most to the overall results. Generally, the maximum contribution to the impact categories of GWP-total and GWP-bio is caused by module A3 and C3. In accordance with EN16485, this is due to the inherent properties of the declared products, i.e. biogenic carbon, being exported from module C3, and transferred to module D, when recycling the declared products. The biogenic carbon exported in module A3 is caused by the amount of wooden residue leaving the product system as material for energy recovery. Regarding scenario (1), installed using screws, the maximum contribution to the impact category of GWP-fossil is generally caused by the incineration of the vapor barrier when reaching its end-of-life or the application of lacquer during repair. Regarding scenario (2), installed using glue, the maximum contribution in several of the impact categories, including GWP-fossil, is caused by the consumption of glue in module A5.

Technical information on scenarios

Transport to the building site (A4)

Scenario information	Ash	Oak	Douglas	Nordic pine	Pitch pine	Pomeranian pine	Unit
Fuel type	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	-
Vehicle type	Truck (Euro 6)	Truck (Euro 6)	Truck (Euro 6)	Truck (Euro 6)	Truck (Euro 6)	Truck (Euro 6)	-
Transport distance	150	150	150	150	150	150	Km
Capacity utilisation (including empty runs)	61	61	61	61	61	61	%
Gross density of products transported	650	650	470	470	370	470	kg/m ³
Capacity utilisation volume factor	1	1	1	1	1	1	-

Installation of the product in the building (A5)

Scenario 1: Installed using screws.	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Unit
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Ancillary materials (vapor barrier)	4.90E-02	4.90E-02	4.90E-02	4.90E-02	6.73E-02	6.73E-02	4.96E-02	4.96E-02	9.46E-02	9.46E-02	4.96E-02	4.96E-02	kg
Ancillary materials (screws)	1.90E-03	1.90E-03	1.90E-03	1.90E-03	2.62E-03	2.62E-03	1.93E-03	1.93E-03	3.68E-03	3.68E-03	1.93E-03	1.93E-03	kg
Water use	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	m ³
Other resource use (surface treatment)	4.66E-03	1.68E-02	4.66E-03	1.68E-02	6.41E-03	2.31E-02	4.73E-03	1.70E-02	9.01E-03	3.24E-02	4.73E-03	1.70E-02	kg
Energy type and consumption (electricity)	6.29E-02	6.29E-02	6.29E-02	6.29E-02	8.65E-02	8.65E-02	6.38E-02	6.38E-02	1.22E-01	1.22E-01	6.38E-02	6.38E-02	kWh
Waste materials	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	kg
Output materials	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kg
Direct emissions to air, soil or water	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kg

Scenario 2: Installed using glue.	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Unit
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Ancillary materials (vapor barrier)	2.45E-02	2.45E-02	2.45E-02	2.45E-02	3.37E-02	3.37E-02	2.48E-02	2.48E-02	4.73E-02	4.73E-02	2.48E-02	2.48E-02	kg
Ancillary materials (glue)	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.50E-01	1.50E-01	1.11E-01	1.11E-01	2.11E-01	2.11E-01	1.11E-01	1.11E-01	kg
Water use	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	m ³
Other resource use (surface treatment)	4.66E-03	1.68E-02	4.66E-03	1.68E-02	6.41E-03	2.31E-02	4.73E-03	1.70E-02	9.01E-03	3.24E-02	4.73E-03	1.70E-02	kg
Energy type and consumption (electricity)	6.29E-02	6.29E-02	6.29E-02	6.29E-02	8.65E-02	8.65E-02	6.38E-02	6.38E-02	1.22E-01	1.22E-01	6.38E-02	6.38E-02	kWh
Waste materials	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	kg
Output materials	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kg
Direct emissions to air, soil or water	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kg

Reference service life

RSL information	
Reference service life	100 years
Declared product properties	Technical specifications and guidance can be obtained from the company's website https://plankequlv.com/ , or from direct contact to PA Savværk at +45 6265 1009 or info@pagulve.dk .
Design application parameters	
Assumed quality of work	
Outdoor environment	
Indoor environment	
Usage conditions	
Maintenance	

Use – Maintenance (B2)

Scenario information	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Unit
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Maintenance process	Application of wood care												-
Maintenance cycle	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	/year
Ancillary materials for maintenance (wood care product)	2.33E-03	1.28E-03	2.33E-03	1.28E-03	3.21E-03	1.76E-03	2.36E-03	1.30E-03	4.50E-03	2.48E-03	2.36E-03	1.30E-03	kg/cycle
Waste materials resulting from maintenance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kg
Net freshwater consumption during maintenance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	m ³
Energy input during maintenance	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	kWh

Use – Repair (B3)

B3 – Repair	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Unit
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Repair process	Sanding and subsequent surface treatment												-
Inspection process	Not relevant												-
Repair cycle	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	/15 years
Ancillary materials (surface treatment)	4.66E-03	1.68E-02	4.66E-03	1.68E-02	6.41E-03	2.31E-02	4.73E-03	1.70E-02	9.01E-03	3.24E-02	4.73E-03	1.70E-02	kg/cycle
Waste materials (wood)	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02	kg
Net freshwater consumption during repair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	m ³
Energy input during repair	6.29E-02	6.29E-02	6.29E-02	6.29E-02	8.65E-02	8.65E-02	6.38E-02	6.38E-02	1.22E-01	1.22E-01	6.38E-02	6.38E-02	kWh/cycle

End of life (C1-C4)

PA Savværk offers a take-back service for the purpose of reusing the declared products. However, due to the lifetime of the declared products, this take-back service has not yet been in use. Therefore, a recycling scenario has been modelled for this study.

0.79-0.86 kg of the declared products are collected for recycling when reaching its end-of-life. This is due to material loss in module B3.

Scenario information	Ash	Oak	Douglas	Nordic pine	Pitch pine	Pomeranian pine	Unit
Collected separately	0.81	0.81	0.81	0.86	0.79	0.86	kg
Collected with mixed waste							kg
For reuse							kg
For recycling	0.81	0.81	0.81	0.86	0.79	0.86	kg
For energy recovery							kg
For final disposal							kg
Assumptions for scenario development	100% is assumed collected for recycling						As appropriate

Re-use, recovery and recycling potential (D)

Scenario 1: Installed using screws	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Unit
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Credit for avoided primary materials	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.12E-01	8.12E-01	8.62E-01	8.62E-01	7.94E-01	7.94E-01	8.62E-01	8.62E-01	kg
Credit for electricity recovery	6.90E-01	6.90E-01	6.90E-01	6.90E-01	7.19E-01	7.19E-01	5.60E-01	5.60E-01	8.10E-01	8.10E-01	5.60E-01	5.60E-01	MJ
Credit for thermal energy recovery	2.98E+00	2.98E+00	2.98E+00	2.98E+00	3.10E+00	3.10E+00	2.42E+00	2.42E+00	3.49E+00	3.49E+00	2.42E+00	2.42E+00	MJ

Scenario 2: Installed using glue.	Ash		Oak		Douglas		Nordic pine		Pitch pine		Pomeranian pine		Ash
	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	Oil	Lacquer	
Credit for avoided primary materials	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.12E-01	8.12E-01	8.62E-01	8.62E-01	7.94E-01	7.94E-01	8.62E-01	8.62E-01	kg
Credit for electricity recovery	9.04E-01	9.04E-01	9.04E-01	9.04E-01	1.01E+00	1.01E+00	7.76E-01	7.76E-01	1.22E+00	1.22E+00	7.76E-01	7.76E-01	MJ
Credit for thermal energy recovery	3.89E+00	3.89E+00	3.89E+00	3.89E+00	4.35E+00	4.35E+00	3.34E+00	3.34E+00	5.25E+00	5.25E+00	3.34E+00	3.34E+00	MJ


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 harmonized test methods according to the provisions of the respective technical committees for European product standards are not available. Read more in EN15804+A2 chapter 7.4.1.

Soil and water

The EPD does not give information on release of dangerous substances to soil and water because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A2 chapter 7.4.2.

References

Publisher	 www.epddanmark.dk Template version 2023.1
Programme operator	Danish Technological Institute Buildings & Environment Gregersensvej DK-2630 Taastrup www.teknologisk.dk
LCA-practitioner	Danish Technological Institute Sustainable Construction Gregersensvej 1 DK-2630 Taastrup www.teknologisk.dk
LCA software / background data	LCA for Experts version 10.7.1.28, Database 2023.2. www.sphera.com EcoInvent version 3.8 www.ecoinvent.org EN 15804 reference package 3.1.
3rd party verifier	Kim Christiansen KimConsult www.kimconsult.dk

General programme instructions

General Programme Instructions, version 2.0, spring 2020
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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

DS/EN 16485:2014 – "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

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ISO 14040

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

ISO 14044

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