Environmental Product Declaration

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Wooden panels and floors

from

Norrlands trä AB

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	S-P-02655
Publication date:	2021-03-01
Valid until:	2026-03-01

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

General information

Programme information

Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
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CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product category rules (PCR): *Construction Products, PCR 2019:14, version 1.1, UN-CPC code: 311*
PCR review was conducted by: The Technical Committee of the International EPD® System. A full list of members available on www.environdec.com. Chair of the PCR review: Claudia A. Peña
Independent third-party verification of the declaration and data, according to ISO 14025:2006: ☐ EPD process certification ☒ EPD verification
Third party verifier: *Marcus Wendin, Miljögiraff* *In case of accredited certification bodies:* Accredited by: *<name of the accreditation body and accreditation number, where applicable>.* *In case of recognised individual verifiers:* Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☐ Yes ☒ No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD:
Norrlands trä AB
Contact:
Maria Nivfors
Description of the organisation:
Norrlands trä AB is a planing mill located just outside Härnösand in Sweden. The company manufactures high-quality panels and floors from solid wood for the Scandinavian market.
Product-related or management system-related certifications:
All wood used in the products is supplied from forestry certified by Forest Stewardship Council (FSC). The panels in this EPD are also accepted according to Byggvarubedömningen and BASTA, two non-profit organizations suppling information regarding sustainability of construction materials and chemicals.
Name and location of production site:
Älandsbro, Sweden

Product information

Product name:
Wooden panels and floors for indoor use.

UN CPC code: 311

Product identification:
This EPD covers the following categories of products:

- Painted panels, 14 – 15 mm.
- Panels with super glazing 14 – 15 mm.
- Panels with wax glazing 14 – 15 mm.
- Panels with wood stain 14 – 15 mm.
- Untreated panels 14 – 15 mm.
- Untreated floors, 15 mm, 20 mm and 25 mm.
- Floors with ultra protect treatment, 15 mm, 20 mm and 25 mm.
- Floors with wood stain and ultra protect treatment, 15 mm, 20 mm and 25 mm.

The measurements in the list above refers to the thickness of the product. Within the above-mentioned product categories, the following products are included:

Panels	Untreated or surface treated	Pärlspont, Slätspont, Springpanel, Faspanel, Spårpanel 4018, Spårpanel 4019, Finsågad pärlspont, Finsågad slätspont, Finsågad springpanel, Finsågad faspanel, Finsågad spårpanel 4018, Finsågad spårpanel 4019, Putsad pärlspont, Putsad slätspont, Putsad springpanel, Putsad faspanel, Putsad spårpanel 4018, Putsad spårpanel 4019, Borstad pärlspont, Borstad slätspont, Borstad springpanel, Borstad faspanel, Borstad spårpanel 4018, Borstad spårpanel 4019
Floors	Untreated or surface treated	Putsat, Borstat

Product description:
The wooden panels and floors are made of spruce or pine with a moisture content between 8 and 16 %. The products can be delivered with or without surface treatment. Within the product categories, there are also alternatives with a slight difference in surface structure, with smoother and rougher options. The panels also come with different alternatives regarding finish like beadboard and plain bridge. Examples can be seen in Figure 1 below.

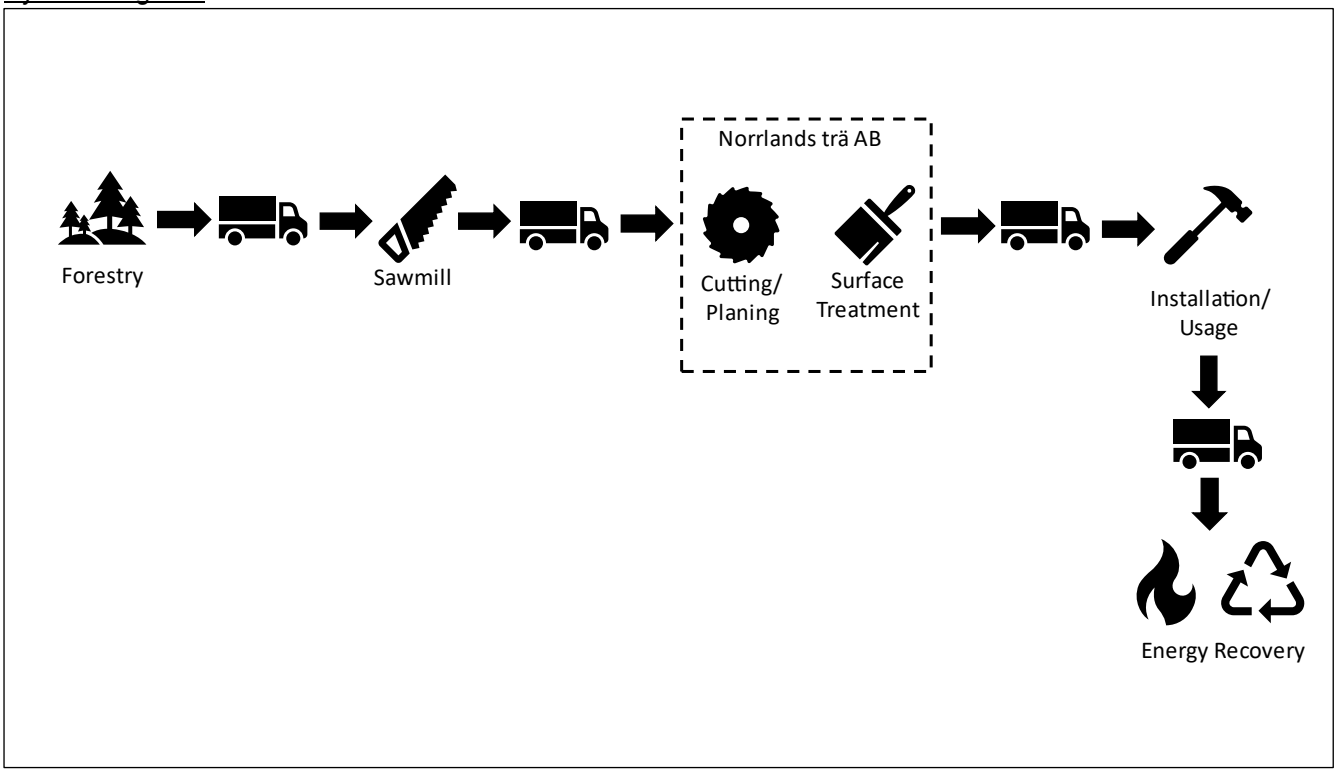
Figure 1 – Examples of panels. From left to right: Putsad pärlspont (painted), Putsad spårpanel (super glazed), Borstad slätspont (wood-stained), Finsågad springpanel (painted)

The panels with surface treatment are all treated with water-based surface treatment products. The painted panels are treated with primer and topcoat. The super glazed panels are treated with a base lacquer and a top glaze. The wax glazed panels are treated with a glaze. The wood-stained panels are treated with wood stain and lacquer. The panels are used indoor for cladding of walls and ceilings.

The floors with ultra protect treatment have a layer of floor oil and layers of water-based lacquer. As one of the categories states, there is also an alternative with both wood stain and ultra protect. As with the panels, there are options for smooth and rough surfaces. The floors are used indoor.

LCA information

Functional unit / declared unit: 1 m^2 of panel/floor installed at customer.
Time representativeness: The data represents the production from September 2019 and September 2020
Database(s) and LCA software used: The lifecycle is modelled in GaBi ts using the database; Professional database, version 2020.2 and the database; Extension database IXa: End-of-Life 2020.
Description of system boundaries:
Cradle to gate with options, modules A + C + D. Module B is excluded.
System diagram:



More information:

A1-A3 Production

- All wood is supplied from sawmills in Sweden. EPD for Swedish sawn and dried timber of spruce and pine is used for raw material production (Swedish Wood, 2018)
- A density of 470 kg/m^3 together with the thickness of the product can be used to convert the functional unit to kg.
- Production of surface treatment products.
- The generation of the electricity later used for the production in module A3 is based on the mix provided by the electricity supplier. The mix is 86 % hydro power, 12 % from biomass and 2 % wind power, bought through guarantee of origin certificates. The supplied electricity mix has a climate impact of 17 g CO_2-eq/kWh.
- Production of packaging material.
- Production of energy carriers used in production.
- Transportation of all material to production site
- Transportation of all waste and processes for waste management
- Ancillary products with a combined weight < 0,1 % of total used material is disregarded.
- Production of the production site itself is disregarded.

A4 Transportation

- Specific data regarding transportation from production to stores.
- Transportation distance between store and building site assumed to be 10 km and average and amount of material bought is estimated to 1,2 m^3.

A5 Installation

- Production and transportation of fixing material (screws and nails)
- 5 % of material is lost in fitting, compensated in previous modules.
- Installation is performed by hand; no machinery is needed.
- Transportation of all waste and processes for waste management. Transportation distance is assumed to be 10 km.
- When untreated floor is installed, it is assumed that the customer applies water-based lacquer in accordance with recommendations. Impact from production of lacquer is included.

C1-C4 End of Life

- Deconstruction is performed by hand; no machinery is needed.
- Transportation of used products to waste management. Transport distance is assumed to be 10 km.
- Both panels and floors are assumed to be incinerated in municipal waste incinerators, producing electricity and district heating.

D Benefits and Loads Beyond System Boundaries

- Replacement of Swedish electricity grid mix and heat from biomass.

LCA practitioner:
Marcus Öhlén

Modules declared, geographical scope, share of specific data (in GWP-GHG indicator) and data variation:

	Product stage		Construction process stage			Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	SE/EU	SE	SE	SE	SE	ND	ND	ND	ND	ND	ND	ND	SE	SE	SE	SE	SE
Specific data used	More than 50%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	Less than 10%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	Not relevant					-	-	-	-	-	-	-	-	-	-	-	-

Content information

Product components, Painted panels, 14 – 15 mm	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Wood	7,05	97,8 %	100 %
Varnish/paint	0,16	2,2 %	0 %
Product components, Panels with super glazing, 14 – 15 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05	99,0 %	100 %
Varnish/paint	0,07	1,0 %	0 %
Product components, Panels with wax glazing, 14 – 15 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05	99,3 %	100 %
Varnish/paint	0,05	0,7 %	0 %
Product components, Panels with wood stain, 14 – 15 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05	99,6 %	100 %
Varnish/paint	0,03	0,4 %	0 %
Product components, Untreated panels 14 - 15 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05	100 %	100 %
Product components, Untreated floor 15, (20), 25 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05, (9,40), 11,75	100 %	100 %
Product components, Floor with ultra protect treatment 15, (20), 25 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05, (9,40), 11,75	99,3, (99,5), 99,6 %	100 %
Varnish/paint	0,05	0,7, (0,5), 0,4 %	0 %
Product components, Floor with wood stain and ultra protect treatment 15, (20), 25 mm	**Weight, kg**	**Post-consumer material, weight-%**	**Renewable material, weight-%**
Wood	7,05, (9,40), 11,75	98,9, (99,2), 99,3 %	100 %
Varnish/paint	0,08	1,1, (0,8), 0,7 %	0 %
Packaging materials, for all products	**Weight, kg**	**Weight-% (versus the product)**	
Plastic cover, PE	0,05 - 0,06	0,5 - 0,7 %	
Paper	0,006	0,06 – 0,08 %	

Neither the panels nor the floors contain any substances on the candidate list of SVHC for authorization.

Environmental Information

Potential environmental impact – Painted panels, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,60E+00	2,07E-01	3,35E-01	4,69E-01	8,57E-01	0,00E+00	6,43E-03	1,30E+01	0,00E+00	-4,09E-01
GWP-fossil	kg CO_2 eq.	1,21E+00	1,94E-01	2,58E-01	3,53E-01	1,75E-01	0,00E+00	5,49E-03	3,00E-01	0,00E+00	-3,97E-01
GWP-biogenic	kg CO_2 eq.	-1,15E+01	1,19E-02	7,70E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,11E-02
GWP-luluc	kg CO_2 eq.	8,44E-03	7,66E-04	8,48E-05	1,76E-03	9,24E-05	0,00E+00	2,41E-05	1,32E-04	0,00E+00	-1,02E-03
ODP	kg CFC 11 eq.	5,00E-15	2,57E-17	2,84E-11	5,91E-17	7,33E-16	0,00E+00	8,07E-19	1,61E-15	0,00E+00	-2,48E-10
AP	mol H^+ eq.	7,90E-03	3,63E-04	8,31E-04	1,12E-03	3,91E-04	0,00E+00	1,26E-05	1,88E-03	0,00E+00	-5,10E-03
EP-freshwater	kg P eq	2,68E-04	4,43E-06	1,21E-06	1,02E-05	2,84E-07	0,00E+00	1,39E-07	2,65E-07	0,00E+00	-5,60E-06
EP-marine	kg N eq.	8,39E-04	2,62E-04	1,60E-04	7,51E-04	9,98E-05	0,00E+00	8,83E-06	6,10E-04	0,00E+00	-2,31E-03
EP-terrestrial	mol N eq.	8,65E-03	1,33E-03	1,62E-03	4,68E-03	1,20E-03	0,00E+00	4,83E-05	8,85E-03	0,00E+00	-2,47E-02
POCP	kg NMVOC eq.	3,01E-03	2,50E-04	4,42E-04	6,70E-04	2,98E-04	0,00E+00	6,45E-06	1,67E-03	0,00E+00	-6,22E-03
ADP-minerals&metals*	kg Sb eq.	2,06E-06	1,13E-08	1,45E-08	2,60E-08	6,05E-06	0,00E+00	3,55E-10	2,58E-08	0,00E+00	-2,68E-07
ADP-fossil*	MJ	2,13E+01	1,99E+00	4,45E+00	4,57E+00	1,32E+00	0,00E+00	6,24E-02	2,85E+00	0,00E+00	-2,44E+01
WDP	m^3	2,24E-01	1,36E-03	1,16E-01	3,14E-03	7,89E-02	0,00E+00	4,29E-05	1,35E+00	0,00E+00	-2,25E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential Environmental impact – additional mandatory indicator – Painted panels 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,84E+00	2,07E-01	2,61E-01	4,69E-01	2,70E-01	0,00E+00	6,43E-03	2,23E+00	0,00E+00	-4,09E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.*

Use of resources – Painted panels, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,99E+01	1,08E-01	4,01E-01	2,48E-01	2,18E-01	0,00E+00	3,39E-03	5,36E-01	0,00E+00	-6,34E+01
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,78E+02	1,08E-01	4,01E-01	2,48E-01	2,18E-01	0,00E+00	3,39E-03	5,36E-01	0,00E+00	-6,34E+01
PENRE	MJ	2,61E+01	1,99E+00	4,45E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,85E+00	0,00E+00	-2,44E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,19E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	2,61E+01	1,99E+00	4,45E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,85E+00	0,00E+00	-2,44E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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
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
FW	m^3	2,69E-02	1,26E-04	3,03E-03	2,89E-04	2,04E-03	0,00E+00	3,95E-06	3,18E-02	0,00E+00	-3,42E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Painted panels, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,67E-08	1,00E-08	1,99E-07	1,76E-09	0,00E+00	2,72E-09	2,44E-09	0,00E+00	-3,24E-08
Non-hazardous waste disposed	kg	2,62E-01	2,97E-04	1,56E-02	6,84E-04	7,91E-03	0,00E+00	9,33E-06	1,06E-01	0,00E+00	-1,06E-01
Radioactive waste disposed	kg	3,91E-04	3,45E-06	6,59E-06	7,95E-06	4,24E-05	0,00E+00	1,09E-07	1,64E-04	0,00E+00	-8,62E-03

Output flows - Painted, panels 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	4,75E-02	0,00E+00	1,64E-03	0,00E+00	2,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00

Potential environmental impact – Panels with super glazing, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,84E+00	2,01E-01	3,28E-01	4,69E-01	8,54E-01	0,00E+00	6,43E-03	1,29E+01	0,00E+00	-4,09E-01
GWP-fossil	kg CO_2 eq.	9,51E-01	1,89E-01	2,51E-01	3,53E-01	1,72E-01	0,00E+00	5,49E-03	2,40E-01	0,00E+00	-3,97E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	1,10E-02	7,70E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,11E-02
GWP-luluc	kg CO_2 eq.	8,29E-03	7,44E-04	8,42E-05	1,76E-03	9,22E-05	0,00E+00	2,41E-05	1,28E-04	0,00E+00	-1,02E-03
ODP	kg CFC 11 eq.	3,21E-15	2,50E-17	2,84E-11	5,91E-17	7,32E-16	0,00E+00	8,07E-19	1,59E-15	0,00E+00	-2,48E-10
AP	mol H^+ eq.	6,47E-03	3,52E-04	8,29E-04	1,12E-03	3,90E-04	0,00E+00	1,26E-05	1,86E-03	0,00E+00	-5,10E-03
EP-freshwater	kg P eq	2,67E-04	4,30E-06	1,21E-06	1,02E-05	2,83E-07	0,00E+00	1,39E-07	2,48E-07	0,00E+00	-5,60E-06
EP-marine	kg N eq.	6,27E-04	2,53E-04	1,59E-04	7,51E-04	9,95E-05	0,00E+00	8,83E-06	6,05E-04	0,00E+00	-2,31E-03
EP-terrestrial	mol N eq.	6,33E-03	1,28E-03	1,61E-03	4,68E-03	1,19E-03	0,00E+00	4,83E-05	8,78E-03	0,00E+00	-2,47E-02
POCP	kg NMVOC eq.	2,21E-03	2,44E-04	4,40E-04	6,70E-04	2,97E-04	0,00E+00	6,44E-06	1,65E-03	0,00E+00	-6,22E-03
ADP-minerals&metals*	kg Sb eq.	2,03E-06	1,10E-08	1,45E-08	2,60E-08	6,05E-06	0,00E+00	3,55E-10	2,53E-08	0,00E+00	-2,68E-07
ADP-fossil*	MJ	1,57E+01	1,93E+00	4,44E+00	4,57E+00	1,31E+00	0,00E+00	6,24E-02	2,81E+00	0,00E+00	-2,44E+01
WDP	m^3	1,91E-01	1,32E-03	1,15E-01	3,14E-03	7,82E-02	0,00E+00	4,29E-05	1,34E+00	0,00E+00	-2,25E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential Environmental impact – additional mandatory indicator – Panels with super glazing 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,60E+00	2,01E-01	2,54E-01	4,69E-01	2,67E-01	0,00E+00	6,43E-03	2,17E+00	0,00E+00	-4,09E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.*

Use of resources – Panels with super glazing, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,93E+01	1,05E-01	4,00E-01	2,48E-01	2,18E-01	0,00E+00	3,39E-03	5,25E-01	0,00E+00	-6,34E+01
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,77E+02	1,05E-01	4,00E-01	2,48E-01	2,18E-01	0,00E+00	3,39E-03	5,25E-01	0,00E+00	-6,34E+01
PENRE	MJ	2,05E+01	1,93E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,81E+00	0,00E+00	-2,44E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,19E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	2,05E+01	1,93E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,81E+00	0,00E+00	-2,44E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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
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
FW	m^3	2,56E-02	1,22E-04	3,00E-03	2,89E-04	2,02E-03	0,00E+00	3,95E-06	3,15E-02	0,00E+00	-3,42E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Panels with super glazing, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,41E-08	9,98E-09	1,99E-07	1,74E-09	0,00E+00	2,72E-09	2,16E-09	0,00E+00	-3,24E-08
Non-hazardous waste disposed	kg	1,60E-01	2,88E-04	1,47E-02	6,84E-04	7,51E-03	0,00E+00	9,33E-06	9,82E-02	0,00E+00	-1,06E-01
Radioactive waste disposed	kg	2,38E-04	3,35E-06	6,22E-06	7,95E-06	4,22E-05	0,00E+00	1,09E-07	1,61E-04	0,00E+00	-8,62E-03

Output flows – Panels with super glazing, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	4,75E-02	0,00E+00	1,64E-03	0,00E+00	2,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00

Potential environmental impact – Panel with wax glazing, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,91E+00	1,99E-01	3,26E-01	4,69E-01	8,53E-01	0,00E+00	6,43E-03	1,29E+01	0,00E+00	-4,09E-01
GWP-fossil	kg CO_2 eq.	8,63E-01	1,87E-01	2,49E-01	3,53E-01	1,71E-01	0,00E+00	5,49E-03	2,28E-01	0,00E+00	-3,97E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	1,08E-02	7,70E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,11E-02
GWP-luluc	kg CO_2 eq.	8,24E-03	7,36E-04	8,41E-05	1,76E-03	9,21E-05	0,00E+00	2,41E-05	1,27E-04	0,00E+00	-1,02E-03
ODP	kg CFC 11 eq.	2,60E-15	2,47E-17	2,84E-11	5,91E-17	7,32E-16	0,00E+00	8,07E-19	1,58E-15	0,00E+00	-2,48E-10
AP	mol H^+ eq.	5,98E-03	3,48E-04	8,29E-04	1,12E-03	3,90E-04	0,00E+00	1,26E-05	1,86E-03	0,00E+00	-5,10E-03
EP-freshwater	kg P eq	2,67E-04	4,25E-06	1,21E-06	1,02E-05	2,83E-07	0,00E+00	1,39E-07	2,44E-07	0,00E+00	-5,60E-06
EP-marine	kg N eq.	5,56E-04	2,51E-04	1,59E-04	7,51E-04	9,95E-05	0,00E+00	8,83E-06	6,04E-04	0,00E+00	-2,31E-03
EP-terrestrial	mol N eq.	5,55E-03	1,27E-03	1,61E-03	4,68E-03	1,19E-03	0,00E+00	4,83E-05	8,76E-03	0,00E+00	-2,47E-02
POCP	kg NMVOC eq.	1,94E-03	2,42E-04	4,40E-04	6,70E-04	2,97E-04	0,00E+00	6,45E-06	1,65E-03	0,00E+00	-6,22E-03
ADP-minerals&metals*	kg Sb eq.	2,02E-06	1,09E-08	1,44E-08	2,60E-08	6,04E-06	0,00E+00	3,55E-10	2,53E-08	0,00E+00	-2,68E-07
ADP-fossil*	MJ	1,39E+01	1,91E+00	4,44E+00	4,57E+00	1,32E+00	0,00E+00	6,24E-02	2,79E+00	0,00E+00	-2,44E+01
WDP	m^3	1,80E-01	1,31E-03	1,15E-01	3,14E-03	7,81E-02	0,00E+00	4,29E-05	1,34E+00	0,00E+00	-2,25E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential Environmental impact – additional mandatory indicator – Panels with wax glazing 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,53E+00	1,99E-01	2,53E-01	4,69E-01	2,67E-01	0,00E+00	6,43E-03	2,16E+00	0,00E+00	-4,09E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.*

Use of resources – Panel with wax glazing, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,91E+01	1,04E-01	3,99E-01	2,49E-01	2,18E-01	0,00E+00	3,39E-03	5,23E-01	0,00E+00	-6,33E+01
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,77E+02	1,04E-01	3,99E-01	2,48E-01	2,18E-01	0,00E+00	3,39E-03	5,23E-01	0,00E+00	-6,34E+01
PENRE	MJ	1,86E+01	1,92E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,80E+00	0,00E+00	-2,44E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,19E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	1,86E+01	1,92E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,80E+00	0,00E+00	-2,44E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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
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
FW	m^3	2,52E-02	1,21E-04	2,99E-03	2,89E-04	2,02E-03	0,00E+00	3,95E-06	3,15E-02	0,00E+00	-3,42E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Panels with wax glazing, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,33E-08	9,97E-09	1,99E-07	1,74E-09	0,00E+00	2,72E-09	2,10E-09	0,00E+00	-3,24E-08
Non-hazardous waste disposed	kg	1,26E-01	2,85E-04	1,45E-02	6,84E-04	7,43E-03	0,00E+00	9,33E-06	9,67E-02	0,00E+00	-1,06E-01
Radioactive waste disposed	kg	1,86E-04	3,32E-06	6,15E-06	7,95E-06	4,22E-05	0,00E+00	1,09E-07	1,61E-04	0,00E+00	-8,62E-03

Output flows – Panels with wax glazing, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	4,75E-02	0,00E+00	1,64E-03	0,00E+00	2,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00

Potential environmental impact – Panels with wood stain, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,86E+00	2,00E-01	3,24E-01	4,69E-01	8,52E-01	0,00E+00	6,43E-03	1,29E+01	0,00E+00	-4,09E-01
GWP-fossil	kg CO_2 eq.	8,94E-01	1,88E-01	2,47E-01	3,53E-01	1,70E-01	0,00E+00	5,49E-03	2,10E-01	0,00E+00	-3,97E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	1,10E-02	7,70E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,11E-02
GWP-luluc	kg CO_2 eq.	8,20E-03	7,41E-04	8,40E-05	1,76E-03	9,21E-05	0,00E+00	2,41E-05	1,25E-04	0,00E+00	-1,02E-03
ODP	kg CFC 11 eq.	1,74E-15	2,49E-17	2,84E-11	5,91E-17	7,31E-16	0,00E+00	8,07E-19	1,58E-15	0,00E+00	-2,48E-10
AP	mol H^+ eq.	5,35E-03	3,51E-04	8,28E-04	1,12E-03	3,90E-04	0,00E+00	1,26E-05	1,85E-03	0,00E+00	-5,10E-03
EP-freshwater	kg P eq	2,67E-04	4,28E-06	1,21E-06	1,02E-05	2,83E-07	0,00E+00	1,39E-07	2,39E-07	0,00E+00	-5,60E-06
EP-marine	kg N eq.	5,01E-04	2,53E-04	1,59E-04	7,51E-04	9,94E-05	0,00E+00	8,83E-06	6,03E-04	0,00E+00	-2,31E-03
EP-terrestrial	mol N eq.	4,97E-03	1,28E-03	1,61E-03	4,68E-03	1,19E-03	0,00E+00	4,83E-05	8,74E-03	0,00E+00	-2,47E-02
POCP	kg NMVOC eq.	1,77E-03	2,43E-04	4,39E-04	6,70E-04	2,97E-04	0,00E+00	6,45E-06	1,64E-03	0,00E+00	-6,22E-03
ADP-minerals&metals*	kg Sb eq.	2,01E-06	1,10E-08	1,44E-08	2,60E-08	6,04E-06	0,00E+00	3,55E-10	2,51E-08	0,00E+00	-2,68E-07
ADP-fossil*	MJ	1,40E+01	1,92E+00	4,44E+00	4,57E+00	1,32E+00	0,00E+00	6,24E-02	2,78E+00	0,00E+00	-2,44E+01
WDP	m^3	1,85E-01	1,32E-03	1,14E-01	3,14E-03	7,79E-02	0,00E+00	4,29E-05	1,33E+00	0,00E+00	-2,25E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential Environmental impact – additional mandatory indicator – Panels with wood stain 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,58E+00	2,00E-01	2,51E-01	4,69E-01	2,66E-01	0,00E+00	6,43E-03	2,14E+00	0,00E+00	-4,09E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.*

Use of resources – Panels with wood stain, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,90E+01	1,05E-01	3,99E-01	2,49E-01	2,17E-01	0,00E+00	3,39E-03	5,19E-01	0,00E+00	-6,33E+01
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,77E+02	1,04E-01	3,99E-01	2,48E-01	2,17E-01	0,00E+00	3,39E-03	5,20E-01	0,00E+00	-6,34E+01
PENRE	MJ	1,88E+01	1,93E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,79E+00	0,00E+00	-2,44E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,19E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	1,88E+01	1,93E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,79E+00	0,00E+00	-2,44E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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
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
FW	m^3	2,53E-02	1,22E-04	2,98E-03	2,89E-04	2,02E-03	0,00E+00	3,95E-06	3,14E-02	0,00E+00	-3,42E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Panels with wood stain, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,39E-08	9,96E-09	1,99E-07	1,74E-09	0,00E+00	2,72E-09	2,02E-09	0,00E+00	-3,24E-08
Non-hazardous waste disposed	kg	6,57E-02	2,87E-04	1,43E-02	6,84E-04	7,31E-03	0,00E+00	9,33E-06	9,45E-02	0,00E+00	-1,06E-01
Radioactive waste disposed	kg	1,16E-04	3,34E-06	6,04E-06	7,95E-06	4,22E-05	0,00E+00	1,09E-07	1,60E-04	0,00E+00	-8,62E-03

Output flows – Panels with wood stain, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	4,75E-02	0,00E+00	1,64E-03	0,00E+00	2,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00

Potential environmental impact – Untreated panels, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-9,17E+00	1,92E-01	3,22E-01	4,69E-01	8,51E-01	0,00E+00	6,43E-03	1,29E+01	0,00E+00	-4,09E-01
GWP-fossil	kg CO_2 eq.	5,78E-01	1,82E-01	2,45E-01	3,53E-01	1,69E-01	0,00E+00	5,49E-03	1,92E-01	0,00E+00	-3,97E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	9,83E-03	7,70E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,11E-02
GWP-luluc	kg CO_2 eq.	8,08E-03	7,12E-04	8,38E-05	1,76E-03	9,20E-05	0,00E+00	2,41E-05	1,24E-04	0,00E+00	-1,02E-03
ODP	kg CFC 11 eq.	6,24E-16	2,39E-17	2,84E-11	5,91E-17	7,31E-16	0,00E+00	8,07E-19	1,57E-15	0,00E+00	-2,48E-10
AP	mol H^+ eq.	4,40E-03	3,36E-04	8,28E-04	1,12E-03	3,89E-04	0,00E+00	1,26E-05	1,85E-03	0,00E+00	-5,10E-03
EP-freshwater	kg P eq	2,66E-04	4,11E-06	1,21E-06	1,02E-05	2,83E-07	0,00E+00	1,39E-07	2,34E-07	0,00E+00	-5,60E-06
EP-marine	kg N eq.	3,22E-04	2,42E-04	1,59E-04	7,51E-04	9,93E-05	0,00E+00	8,83E-06	6,01E-04	0,00E+00	-2,31E-03
EP-terrestrial	mol N eq.	2,99E-03	1,22E-03	1,61E-03	4,68E-03	1,19E-03	0,00E+00	4,83E-05	8,72E-03	0,00E+00	-2,47E-02
POCP	kg NMVOC eq.	1,05E-03	2,35E-04	4,39E-04	6,70E-04	2,97E-04	0,00E+00	6,45E-06	1,64E-03	0,00E+00	-6,22E-03
ADP-minerals&metals*	kg Sb eq.	1,98E-06	1,05E-08	1,44E-08	2,60E-08	6,04E-06	0,00E+00	3,55E-10	2,50E-08	0,00E+00	-2,68E-07
ADP-fossil*	MJ	7,68E+00	1,85E+00	4,44E+00	4,57E+00	1,32E+00	0,00E+00	6,24E-02	2,77E+00	0,00E+00	-2,44E+01
WDP	m^3	1,44E-01	1,27E-03	1,14E-01	3,14E-03	7,77E-02	0,00E+00	4,29E-05	1,33E+00	0,00E+00	-2,25E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential Environmental impact – additional mandatory indicator – Untreated panels 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,27E+00	1,92E-01	2,49E-01	4,69E-01	2,65E-01	0,00E+00	6,43E-03	2,12E+00	0,00E+00	-4,09E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.*

Use of resources – Untreated panels, 14 – 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,84E+01	1,00E-01	3,98E-01	2,49E-01	2,17E-01	0,00E+00	3,39E-03	5,16E-01	0,00E+00	-6,33E+01
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,77E+02	1,00E-01	3,99E-01	2,48E-01	2,17E-01	0,00E+00	3,39E-03	5,17E-01	0,00E+00	-6,34E+01
PENRE	MJ	1,24E+01	1,85E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,77E+00	0,00E+00	-2,44E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,19E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	1,24E+01	1,85E+00	4,44E+00	4,59E+00	1,32E+00	0,00E+00	6,26E-02	2,77E+00	0,00E+00	-2,44E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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
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
FW	m^3	2,38E-02	1,17E-04	2,97E-03	2,89E-04	2,01E-03	0,00E+00	3,95E-06	3,13E-02	0,00E+00	-3,42E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Untreated panels, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,05E-08	9,95E-09	1,99E-07	1,73E-09	0,00E+00	2,72E-09	1,93E-09	0,00E+00	-3,24E-08
Non-hazardous waste disposed	kg	1,32E-02	2,76E-04	1,40E-02	6,84E-04	7,19E-03	0,00E+00	9,33E-06	9,22E-02	0,00E+00	-1,06E-01
Radioactive waste disposed	kg	1,61E-05	3,21E-06	5,93E-06	7,95E-06	4,21E-05	0,00E+00	1,09E-07	1,59E-04	0,00E+00	-8,62E-03

Output flows – Untreated panels, 14 - 15 mm.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	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
Material for recycling	kg	4,75E-02	0,00E+00	1,64E-03	0,00E+00	2,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00

Potential environmental impact – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-9,17E+00	1,92E-01	3,50E-01	4,69E-01	1,13E+00	0,00E+00	6,43E-03	1,30E+01	0,00E+00	-4,19E-01
		-1,22E+01	2,22E-01	3,50E-01	6,24E-01	1,36E+00	0,00E+00	8,55E-03	1,73E+01	0,00E+00	-5,46E-01
		-1,52E+01	2,52E-01	3,50E-01	7,79E-01	1,58E+00	0,00E+00	1,07E-02	2,15E+01	0,00E+00	-6,74E-01
GWP-fossil	kg CO_2 eq.	5,78E-01	1,82E-01	2,73E-01	3,53E-01	4,75E-01	0,00E+00	5,49E-03	2,77E-01	0,00E+00	-4,07E-01
		7,44E-01	2,07E-01	2,73E-01	4,70E-01	4,79E-01	0,00E+00	7,31E-03	3,40E-01	0,00E+00	-5,30E-01
		9,10E-01	2,32E-01	2,73E-01	5,86E-01	4,82E-01	0,00E+00	9,12E-03	4,03E-01	0,00E+00	-6,54E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	9,83E-03	7,71E-02	1,14E-01	6,57E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,12E-02
		-1,52E+01	1,40E-02	7,71E-02	1,52E-01	8,78E-01	0,00E+00	1,22E-03	1,69E+01	0,00E+00	-1,48E-02
		-1,90E+01	1,82E-02	7,71E-02	1,90E-01	1,10E+00	0,00E+00	1,51E-03	2,11E+01	0,00E+00	-1,84E-02
GWP-luluc	kg CO_2 eq.	8,08E-03	7,12E-04	8,63E-05	1,76E-03	2,82E-04	0,00E+00	2,41E-05	1,30E-04	0,00E+00	-1,02E-03
		1,05E-02	8,23E-04	8,63E-05	2,34E-03	2,85E-04	0,00E+00	3,20E-05	1,71E-04	0,00E+00	-1,36E-03
		1,30E-02	9,34E-04	8,63E-05	2,93E-03	2,87E-04	0,00E+00	3,99E-05	2,12E-04	0,00E+00	-1,69E-03
ODP	kg CFC 11 eq.	6,24E-16	2,39E-17	2,84E-11	5,91E-17	2,66E-15	0,00E+00	8,07E-19	1,60E-15	0,00E+00	-3,45E-10
		6,24E-16	2,76E-17	2,84E-11	7,86E-17	2,69E-15	0,00E+00	1,07E-18	2,12E-15	0,00E+00	-3,45E-10
		6,24E-16	3,14E-17	2,84E-11	9,81E-17	2,72E-15	0,00E+00	1,34E-18	2,64E-15	0,00E+00	-3,45E-10
AP	mol H^+ eq.	4,40E-03	3,36E-04	9,74E-04	1,12E-03	1,88E-03	0,00E+00	1,26E-05	1,87E-03	0,00E+00	-5,15E-03
		5,60E-03	3,91E-04	9,74E-04	1,49E-03	1,91E-03	0,00E+00	1,67E-05	2,48E-03	0,00E+00	-6,80E-03
		6,79E-03	4,48E-04	9,74E-04	1,86E-03	1,94E-03	0,00E+00	2,09E-05	3,09E-03	0,00E+00	-8,45E-03
EP-freshwater	kg P eq	2,66E-04	4,11E-06	1,23E-06	1,02E-05	1,07E-06	0,00E+00	1,39E-07	2,58E-07	0,00E+00	-5,89E-06
		3,52E-04	4,76E-06	1,23E-06	1,35E-05	1,08E-06	0,00E+00	1,85E-07	3,35E-07	0,00E+00	-7,49E-06
		4,38E-04	5,40E-06	1,23E-06	1,69E-05	1,09E-06	0,00E+00	2,31E-07	4,12E-07	0,00E+00	-9,11E-06
EP-marine	kg N eq.	3,22E-04	2,42E-04	1,80E-04	7,51E-04	3,32E-04	0,00E+00	8,83E-06	6,08E-04	0,00E+00	-2,33E-03
		3,22E-04	2,82E-04	1,80E-04	1,00E-03	3,43E-04	0,00E+00	1,18E-05	8,07E-04	0,00E+00	-3,08E-03
		3,22E-04	3,21E-04	1,80E-04	1,25E-03	3,53E-04	0,00E+00	1,46E-05	1,01E-03	0,00E+00	-3,82E-03
EP-terrestrial	mol N eq.	2,99E-03	1,22E-03	1,83E-03	4,68E-03	3,69E-03	0,00E+00	4,83E-05	8,83E-03	0,00E+00	-2,49E-02
		2,99E-03	1,43E-03	1,83E-03	6,24E-03	3,84E-03	0,00E+00	6,43E-05	1,17E-02	0,00E+00	-3,29E-02
		2,99E-03	1,65E-03	1,83E-03	7,77E-03	3,99E-03	0,00E+00	8,03E-05	1,46E-02	0,00E+00	-4,09E-02
POCP	kg NMVOC eq.	1,05E-03	2,35E-04	5,08E-04	6,70E-04	1,14E-03	0,00E+00	6,45E-06	1,66E-03	0,00E+00	-6,28E-03
		1,14E-03	2,63E-04	5,08E-04	8,92E-04	1,17E-03	0,00E+00	8,57E-06	2,20E-03	0,00E+00	-8,28E-03
		1,24E-03	2,91E-04	5,08E-04	1,11E-03	1,20E-03	0,00E+00	1,07E-05	2,73E-03	0,00E+00	-1,03E-02
ADP-minerals&metals*	kg Sb eq.	1,98E-06	1,05E-08	1,69E-08	2,60E-08	7,83E-06	0,00E+00	3,55E-10	2,56E-08	0,00E+00	-2,68E-07
		2,59E-06	1,22E-08	1,69E-08	3,47E-08	7,84E-06	0,00E+00	4,73E-10	3,39E-08	0,00E+00	-3,56E-07
		3,19E-06	1,38E-08	1,69E-08	4,33E-08	7,84E-06	0,00E+00	5,90E-10	4,21E-08	0,00E+00	-4,44E-07
ADP-fossil*	MJ	7,67E+00	1,84E+00	5,29E+00	4,57E+00	7,13E+00	0,00E+00	6,24E-02	2,83E+00	0,00E+00	-2,47E+01
		1,00E+01	2,13E+00	5,29E+00	6,08E+00	7,18E+00	0,00E+00	8,30E-02	3,75E+00	0,00E+00	-3,24E+01
		1,24E+01	2,42E+00	5,29E+00	7,59E+00	7,22E+00	0,00E+00	1,04E-01	4,66E+00	0,00E+00	-4,02E+01
WDP	m^3	1,44E-01	1,27E-03	1,31E-01	3,14E-03	1,12E-01	0,00E+00	4,29E-05	1,35E+00	0,00E+00	-2,36E-01
		1,44E-01	1,47E-03	1,31E-01	4,18E-03	1,35E-01	0,00E+00	5,70E-05	1,79E+00	0,00E+00	-3,01E-01
		1,44E-01	1,66E-03	1,31E-01	5,21E-03	1,58E-01	0,00E+00	7,12E-05	2,23E+00	0,00E+00	-3,68E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential environmental impact – additional mandatory indicator – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,27E+00	1,92E-01	2,77E-01	4,69E-01	5,44E-01	0,00E+00	6,43E-03	2,21E+00	0,00E+00	-4,19E-01
		2,99E+00	2,22E-01	2,77E-01	6,24E-01	5,85E-01	0,00E+00	8,55E-03	2,91E+00	0,00E+00	-5,46E-01
		3,73E+00	2,52E-01	2,77E-01	7,79E-01	6,28E-01	0,00E+00	1,07E-02	3,56E+00	0,00E+00	-6,74E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013*

Use of resources – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,85E+01	1,00E-01	4,37E-01	2,48E-01	8,38E-01	0,00E+00	3,39E-03	5,32E-01	0,00E+00	-6,37E+01
		8,51E+01	1,16E-01	4,37E-01	3,30E-01	8,47E-01	0,00E+00	4,51E-03	7,03E-01	0,00E+00	-8,44E+01
		1,02E+02	1,32E-01	4,36E-01	4,12E-01	8,56E-01	0,00E+00	5,63E-03	8,73E-01	0,00E+00	-1,05E+02
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,43E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,79E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,76E+02	1,00E-01	4,37E-01	2,48E-01	8,38E-01	0,00E+00	3,39E-03	5,32E-01	0,00E+00	-6,37E+01
		2,28E+02	1,16E-01	4,37E-01	3,30E-01	8,47E-01	0,00E+00	4,51E-03	7,03E-01	0,00E+00	-8,44E+01
		2,80E+02	1,32E-01	4,37E-01	4,12E-01	8,56E-01	0,00E+00	5,63E-03	8,73E-01	0,00E+00	-1,05E+02
PENRE	MJ	1,24E+01	1,85E+00	5,29E+00	4,59E+00	7,14E+00	0,00E+00	6,26E-02	2,83E+00	0,00E+00	-2,47E+01
		1,63E+01	2,14E+00	5,29E+00	6,10E+00	7,19E+00	0,00E+00	8,33E-02	3,75E+00	0,00E+00	-3,24E+01
		2,03E+01	2,43E+00	5,29E+00	7,61E+00	7,24E+00	0,00E+00	1,04E-01	4,66E+00	0,00E+00	-4,02E+01
PENRM	MJ.	0,00E+00	0,00E+00	2,65E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	2,65E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	2,65E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	1,24E+01	1,85E+00	5,29E+00	4,59E+00	7,14E+00	0,00E+00	6,26E-02	2,83E+00	0,00E+00	-2,47E+01
		1,63E+01	2,14E+00	5,29E+00	6,10E+00	7,19E+00	0,00E+00	8,33E-02	3,75E+00	0,00E+00	-3,24E+01
		2,03E+01	2,43E+00	5,29E+00	7,61E+00	7,24E+00	0,00E+00	1,04E-01	4,66E+00	0,00E+00	-4,02E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	2,38E-02	1,17E-04	3,38E-03	2,89E-04	3,35E-03	0,00E+00	3,95E-06	3,17E-02	0,00E+00	-3,45E-02
		2,27E-02	1,35E-04	3,38E-03	3,85E-04	3,90E-03	0,00E+00	5,26E-06	4,20E-02	0,00E+00	-4,55E-02
		2,16E-02	1,53E-04	3,38E-03	4,81E-04	4,44E-03	0,00E+00	6,56E-06	5,24E-02	0,00E+00	-5,65E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,05E-08	1,02E-08	1,99E-07	7,41E-09	0,00E+00	2,72E-09	2,33E-09	0,00E+00	-3,25E-08
		1,74E-03	9,31E-08	1,02E-08	2,65E-07	7,49E-09	0,00E+00	3,62E-09	2,97E-09	0,00E+00	-4,30E-08
		2,17E-03	1,06E-07	1,02E-08	3,31E-07	7,57E-09	0,00E+00	4,52E-09	3,61E-09	0,00E+00	-5,36E-08
Non-hazardous waste disposed	kg	1,32E-02	2,76E-04	1,40E-02	6,84E-04	1,06E-01	0,00E+00	9,33E-06	1,03E-01	0,00E+00	-1,06E-01
		1,45E-02	3,19E-04	1,40E-02	9,09E-04	1,08E-01	0,00E+00	1,24E-05	1,33E-01	0,00E+00	-1,41E-01
		1,59E-02	3,62E-04	1,40E-02	1,13E-03	1,10E-01	0,00E+00	1,55E-05	1,64E-01	0,00E+00	-1,75E-01
Radioactive waste disposed	kg	1,61E-05	3,21E-06	6,17E-06	7,95E-06	2,01E-04	0,00E+00	1,09E-07	1,63E-04	0,00E+00	-8,63E-03
		1,61E-05	3,71E-06	6,17E-06	1,06E-05	2,04E-04	0,00E+00	1,44E-07	2,16E-04	0,00E+00	-1,15E-02
		1,61E-05	4,21E-06	6,17E-06	1,32E-05	2,07E-04	0,00E+00	1,80E-07	2,68E-04	0,00E+00	-1,43E-02

Output flows – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling	kg	4,75E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		6,31E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		7,87E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
		4,21E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	9,45E+00	0,00E+00	0,00E+00
		5,25E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	1,18E+01	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,32E+00	0,00E+00	0,00E+00	2,47E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,64E+00	0,00E+00	0,00E+00	3,08E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00
		5,42E-01	0,00E+00	0,00E+00	0,00E+00	2,37E+00	0,00E+00	0,00E+00	4,44E+01	0,00E+00	0,00E+00
		6,76E-01	0,00E+00	0,00E+00	0,00E+00	2,95E+00	0,00E+00	0,00E+00	5,54E+01	0,00E+00	0,00E+00

Potential environmental impact – Floors with ultra protect treatment, 15 mm, 20 mm and 25 mm, in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,94E+00	1,95E-01	3,54E-01	4,69E-01	9,04E-01	0,00E+00	6,43E-03	1,29E+01	0,00E+00	-4,19E-01
		-1,20E+01	2,25E-01	3,54E-01	6,24E-01	1,13E+00	0,00E+00	8,55E-03	1,72E+01	0,00E+00	-5,46E-01
		-1,50E+01	2,54E-01	3,54E-01	7,79E-01	1,35E+00	0,00E+00	1,07E-02	2,14E+01	0,00E+00	-6,74E-01
GWP-fossil	kg CO_2 eq.	8,13E-01	1,84E-01	2,77E-01	3,53E-01	2,22E-01	0,00E+00	5,49E-03	2,26E-01	0,00E+00	-4,07E-01
		9,79E-01	2,09E-01	2,77E-01	4,70E-01	2,25E-01	0,00E+00	7,31E-03	2,89E-01	0,00E+00	-5,30E-01
		1,15E+00	2,35E-01	2,77E-01	5,86E-01	2,28E-01	0,00E+00	9,12E-03	3,52E-01	0,00E+00	-6,54E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	1,02E-02	7,71E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,12E-02
		-1,52E+01	1,44E-02	7,71E-02	1,52E-01	9,03E-01	0,00E+00	1,22E-03	1,69E+01	0,00E+00	-1,48E-02
		-1,90E+01	1,86E-02	7,71E-02	1,90E-01	1,12E+00	0,00E+00	1,51E-03	2,11E+01	0,00E+00	-1,84E-02
GWP-luluc	kg CO_2 eq.	8,18E-03	7,22E-04	8,65E-05	1,76E-03	1,17E-04	0,00E+00	2,41E-05	1,26E-04	0,00E+00	-1,02E-03
		1,06E-02	8,34E-04	8,65E-05	2,34E-03	1,19E-04	0,00E+00	3,20E-05	1,67E-04	0,00E+00	-1,36E-03
		1,31E-02	9,45E-04	8,65E-05	2,93E-03	1,22E-04	0,00E+00	3,99E-05	2,08E-04	0,00E+00	-1,69E-03
ODP	kg CFC 11 eq.	1,80E-15	2,42E-17	2,84E-11	5,91E-17	9,23E-16	0,00E+00	8,07E-19	1,58E-15	0,00E+00	-3,45E-10
		1,80E-15	2,80E-17	2,84E-11	7,86E-17	9,50E-16	0,00E+00	1,07E-18	2,10E-15	0,00E+00	-3,45E-10
		1,80E-15	3,17E-17	2,84E-11	9,81E-17	9,77E-16	0,00E+00	1,34E-18	2,62E-15	0,00E+00	-3,45E-10
AP	mol H^+ eq.	5,02E-03	3,41E-04	9,75E-04	1,12E-03	4,75E-04	0,00E+00	1,26E-05	1,86E-03	0,00E+00	-5,15E-03
		6,22E-03	3,97E-04	9,75E-04	1,49E-03	5,07E-04	0,00E+00	1,67E-05	2,47E-03	0,00E+00	-6,80E-03
		7,41E-03	4,54E-04	9,75E-04	1,86E-03	5,40E-04	0,00E+00	2,09E-05	3,08E-03	0,00E+00	-8,45E-03
EP-freshwater	kg P eq	2,67E-04	4,17E-06	1,23E-06	1,02E-05	3,61E-07	0,00E+00	1,39E-07	2,44E-07	0,00E+00	-5,89E-06
		3,53E-04	4,82E-06	1,23E-06	1,35E-05	3,68E-07	0,00E+00	1,85E-07	3,21E-07	0,00E+00	-7,49E-06
		4,39E-04	5,46E-06	1,23E-06	1,69E-05	3,74E-07	0,00E+00	2,31E-07	3,98E-07	0,00E+00	-9,11E-06
EP-marine	kg N eq.	4,51E-04	2,46E-04	1,81E-04	7,51E-04	1,19E-04	0,00E+00	8,83E-06	6,04E-04	0,00E+00	-2,33E-03
		4,51E-04	2,86E-04	1,81E-04	1,00E-03	1,29E-04	0,00E+00	1,18E-05	8,03E-04	0,00E+00	-3,08E-03
		4,51E-04	3,26E-04	1,81E-04	1,25E-03	1,40E-04	0,00E+00	1,46E-05	1,00E-03	0,00E+00	-3,82E-03
EP-terrestrial	mol N eq.	4,38E-03	1,24E-03	1,84E-03	4,68E-03	1,40E-03	0,00E+00	4,83E-05	8,76E-03	0,00E+00	-2,49E-02
		4,38E-03	1,45E-03	1,84E-03	6,24E-03	1,55E-03	0,00E+00	6,43E-05	1,16E-02	0,00E+00	-3,29E-02
		4,38E-03	1,67E-03	1,84E-03	7,77E-03	1,71E-03	0,00E+00	8,03E-05	1,45E-02	0,00E+00	-4,09E-02
POCP	kg NMVOC eq.	1,48E-03	2,38E-04	5,08E-04	6,70E-04	3,57E-04	0,00E+00	6,45E-06	1,65E-03	0,00E+00	-6,28E-03
		1,57E-03	2,66E-04	5,08E-04	8,92E-04	3,85E-04	0,00E+00	8,57E-06	2,19E-03	0,00E+00	-8,28E-03
		1,67E-03	2,94E-04	5,08E-04	1,11E-03	4,14E-04	0,00E+00	1,07E-05	2,72E-03	0,00E+00	-1,03E-02
ADP-minerals&metals*	kg Sb eq.	2,01E-06	1,07E-08	1,70E-08	2,60E-08	7,80E-06	0,00E+00	3,55E-10	2,52E-08	0,00E+00	-2,68E-07
		2,62E-06	1,23E-08	1,70E-08	3,47E-08	7,80E-06	0,00E+00	4,73E-10	3,35E-08	0,00E+00	-3,56E-07
		3,23E-06	1,40E-08	1,69E-08	4,32E-08	7,80E-06	0,00E+00	5,90E-10	4,18E-08	0,00E+00	-4,44E-07
ADP-fossil*	MJ	1,30E+01	1,87E+00	5,29E+00	4,57E+00	1,65E+00	0,00E+00	6,24E-02	2,79E+00	0,00E+00	-2,47E+01
		1,53E+01	2,16E+00	5,29E+00	6,08E+00	1,70E+00	0,00E+00	8,30E-02	3,71E+00	0,00E+00	-3,24E+01
		1,77E+01	2,45E+00	5,29E+00	7,59E+00	1,75E+00	0,00E+00	1,04E-01	4,63E+00	0,00E+00	-4,02E+01
WDP	m^3	2,03E-01	1,29E-03	1,32E-01	3,14E-03	8,03E-02	0,00E+00	4,29E-05	1,34E+00	0,00E+00	-2,36E-01
		2,03E-01	1,48E-03	1,32E-01	4,18E-03	1,03E-01	0,00E+00	5,70E-05	1,78E+00	0,00E+00	-3,01E-01
		2,03E-01	1,68E-03	1,32E-01	5,21E-03	1,27E-01	0,00E+00	7,12E-05	2,22E+00	0,00E+00	-3,68E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential environmental impact – additional mandatory indicator – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,50E+00	1,95E-01	2,81E-01	4,69E-01	3,17E-01	0,00E+00	6,43E-03	2,15E+00	0,00E+00	-4,19E-01
		3,22E+00	2,25E-01	2,81E-01	6,24E-01	3,58E-01	0,00E+00	8,55E-03	2,86E+00	0,00E+00	-5,46E-01
		3,96E+00	2,54E-01	2,81E-01	7,79E-01	4,00E-01	0,00E+00	1,07E-02	3,50E+00	0,00E+00	-6,74E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013*

Use of resources – Floors with ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,88E+01	1,02E-01	4,37E-01	2,48E-01	2,74E-01	0,00E+00	3,39E-03	5,23E-01	0,00E+00	-6,37E+01
		8,55E+01	1,18E-01	4,37E-01	3,31E-01	2,83E-01	0,00E+00	4,51E-03	6,93E-01	0,00E+00	-8,43E+01
		1,02E+02	1,33E-01	4,37E-01	4,12E-01	2,92E-01	0,00E+00	5,63E-03	8,64E-01	0,00E+00	-1,05E+02
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,43E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,79E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,77E+02	1,02E-01	4,37E-01	2,48E-01	2,74E-01	0,00E+00	3,39E-03	5,23E-01	0,00E+00	-6,37E+01
		2,29E+02	1,18E-01	4,37E-01	3,31E-01	2,83E-01	0,00E+00	4,51E-03	6,93E-01	0,00E+00	-8,43E+01
		2,81E+02	1,33E-01	4,37E-01	4,12E-01	2,92E-01	0,00E+00	5,63E-03	8,64E-01	0,00E+00	-1,05E+02
PENRE	MJ	1,77E+01	1,88E+00	5,30E+00	4,59E+00	1,66E+00	0,00E+00	6,26E-02	2,80E+00	0,00E+00	-2,47E+01
		2,16E+01	2,17E+00	5,30E+00	6,10E+00	1,71E+00	0,00E+00	8,33E-02	3,71E+00	0,00E+00	-3,24E+01
		2,56E+01	2,46E+00	5,30E+00	7,61E+00	1,76E+00	0,00E+00	1,04E-01	4,63E+00	0,00E+00	-4,02E+01
PENRM	MJ.	0,00E+00	0,00E+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	0,00E+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	0,00E+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
PENRT	MJ	1,77E+01	1,88E+00	5,30E+00	4,59E+00	1,66E+00	0,00E+00	6,26E-02	2,80E+00	0,00E+00	-2,47E+01
		2,16E+01	2,17E+00	5,30E+00	6,10E+00	1,71E+00	0,00E+00	8,33E-02	3,71E+00	0,00E+00	-3,24E+01
		2,56E+01	2,46E+00	5,30E+00	7,61E+00	1,76E+00	0,00E+00	1,04E-01	4,63E+00	0,00E+00	-4,02E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	2,57E-02	1,19E-04	3,40E-03	2,89E-04	2,13E-03	0,00E+00	3,95E-06	3,15E-02	0,00E+00	-3,45E-02
		2,45E-02	1,37E-04	3,40E-03	3,85E-04	2,67E-03	0,00E+00	5,26E-06	4,18E-02	0,00E+00	-4,55E-02
		2,34E-02	1,55E-04	3,40E-03	4,81E-04	3,21E-03	0,00E+00	6,56E-06	5,21E-02	0,00E+00	-5,65E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Floors with ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,17E-08	1,02E-08	1,99E-07	2,18E-09	0,00E+00	2,72E-09	2,09E-09	0,00E+00	-3,25E-08
		1,74E-03	9,43E-08	1,02E-08	2,65E-07	2,26E-09	0,00E+00	3,62E-09	2,73E-09	0,00E+00	-4,30E-08
		2,17E-03	1,07E-07	1,02E-08	3,31E-07	2,34E-09	0,00E+00	4,52E-09	3,36E-09	0,00E+00	-5,36E-08
Non-hazardous waste disposed	kg	3,91E-02	2,80E-04	1,45E-02	6,84E-04	8,06E-03	0,00E+00	9,33E-06	9,64E-02	0,00E+00	-1,06E-01
		4,05E-02	3,23E-04	1,45E-02	9,09E-04	9,66E-03	0,00E+00	1,24E-05	1,27E-01	0,00E+00	-1,41E-01
		4,19E-02	3,66E-04	1,45E-02	1,13E-03	1,13E-02	0,00E+00	1,55E-05	1,57E-01	0,00E+00	-1,75E-01
Radioactive waste disposed	kg	1,33E-04	3,26E-06	6,37E-06	7,95E-06	5,25E-05	0,00E+00	1,09E-07	1,60E-04	0,00E+00	-8,63E-03
		1,33E-04	3,76E-06	6,37E-06	1,06E-05	5,52E-05	0,00E+00	1,44E-07	2,13E-04	0,00E+00	-1,15E-02
		1,33E-04	4,26E-06	6,37E-06	1,32E-05	5,80E-05	0,00E+00	1,80E-07	2,65E-04	0,00E+00	-1,43E-02

Output flows – Floors with ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling	kg	4,75E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		6,31E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		7,87E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
		4,21E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	9,45E+00	0,00E+00	0,00E+00
		5,25E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	1,18E+01	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,32E+00	0,00E+00	0,00E+00	2,47E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,64E+00	0,00E+00	0,00E+00	3,08E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00
		5,42E-01	0,00E+00	0,00E+00	0,00E+00	2,37E+00	0,00E+00	0,00E+00	4,44E+01	0,00E+00	0,00E+00
		6,76E-01	0,00E+00	0,00E+00	0,00E+00	2,95E+00	0,00E+00	0,00E+00	5,54E+01	0,00E+00	0,00E+00

Potential environmental impact – Floors with wood stain and ultra protect treatment, 15 mm, 20 mm and 25 mm, in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-8,69E+00	2,01E-01	3,56E-01	4,69E-01	9,05E-01	0,00E+00	6,43E-03	1,30E+01	0,00E+00	-4,19E-01
		-1,17E+01	2,31E-01	3,56E-01	6,24E-01	1,13E+00	0,00E+00	8,55E-03	1,73E+01	0,00E+00	-5,46E-01
		-1,47E+01	2,61E-01	3,56E-01	7,79E-01	1,35E+00	0,00E+00	1,07E-02	2,15E+01	0,00E+00	-6,74E-01
GWP-fossil	kg CO_2 eq.	1,06E+00	1,90E-01	2,79E-01	3,53E-01	2,23E-01	0,00E+00	5,49E-03	2,46E-01	0,00E+00	-4,07E-01
		1,23E+00	2,15E-01	2,79E-01	4,70E-01	2,26E-01	0,00E+00	7,31E-03	3,09E-01	0,00E+00	-5,30E-01
		1,39E+00	2,40E-01	2,79E-01	5,86E-01	2,30E-01	0,00E+00	9,12E-03	3,72E-01	0,00E+00	-6,54E-01
GWP-biogenic	kg CO_2 eq.	-1,14E+01	1,12E-02	7,71E-02	1,14E-01	6,82E-01	0,00E+00	9,11E-04	1,27E+01	0,00E+00	-1,12E-02
		-1,52E+01	1,53E-02	7,71E-02	1,52E-01	9,03E-01	0,00E+00	1,22E-03	1,69E+01	0,00E+00	-1,48E-02
		-1,90E+01	1,95E-02	7,71E-02	1,90E-01	1,12E+00	0,00E+00	1,51E-03	2,11E+01	0,00E+00	-1,84E-02
GWP-luluc	kg CO_2 eq.	8,25E-03	7,47E-04	8,67E-05	1,76E-03	1,17E-04	0,00E+00	2,41E-05	1,28E-04	0,00E+00	-1,02E-03
		1,07E-02	8,58E-04	8,67E-05	2,34E-03	1,19E-04	0,00E+00	3,20E-05	1,69E-04	0,00E+00	-1,36E-03
		1,32E-02	9,69E-04	8,67E-05	2,93E-03	1,22E-04	0,00E+00	3,99E-05	2,10E-04	0,00E+00	-1,69E-03
ODP	kg CFC 11 eq.	2,26E-15	2,51E-17	2,84E-11	5,91E-17	9,23E-16	0,00E+00	8,07E-19	1,59E-15	0,00E+00	-3,45E-10
		2,26E-15	2,88E-17	2,84E-11	7,86E-17	9,51E-16	0,00E+00	1,07E-18	2,11E-15	0,00E+00	-3,45E-10
		2,26E-15	3,25E-17	2,84E-11	9,81E-17	9,78E-16	0,00E+00	1,34E-18	2,63E-15	0,00E+00	-3,45E-10
AP	mol H^+ eq.	5,45E-03	3,54E-04	9,76E-04	1,12E-03	4,76E-04	0,00E+00	1,26E-05	1,86E-03	0,00E+00	-5,15E-03
		6,65E-03	4,10E-04	9,76E-04	1,49E-03	5,07E-04	0,00E+00	1,67E-05	2,47E-03	0,00E+00	-6,80E-03
		7,84E-03	4,66E-04	9,76E-04	1,86E-03	5,41E-04	0,00E+00	2,09E-05	3,08E-03	0,00E+00	-8,45E-03
EP-freshwater	kg P eq	2,67E-04	4,31E-06	1,23E-06	1,02E-05	3,61E-07	0,00E+00	1,39E-07	2,49E-07	0,00E+00	-5,89E-06
		3,53E-04	4,96E-06	1,23E-06	1,35E-05	3,68E-07	0,00E+00	1,85E-07	3,26E-07	0,00E+00	-7,49E-06
		4,39E-04	5,60E-06	1,23E-06	1,69E-05	3,74E-07	0,00E+00	2,31E-07	4,03E-07	0,00E+00	-9,11E-06
EP-marine	kg N eq.	5,60E-04	2,54E-04	1,81E-04	7,51E-04	1,19E-04	0,00E+00	8,83E-06	6,06E-04	0,00E+00	-2,33E-03
		5,60E-04	2,95E-04	1,81E-04	1,00E-03	1,30E-04	0,00E+00	1,18E-05	8,05E-04	0,00E+00	-3,08E-03
		5,60E-04	3,35E-04	1,81E-04	1,25E-03	1,40E-04	0,00E+00	1,46E-05	1,00E-03	0,00E+00	-3,82E-03
EP-terrestrial	mol N eq.	5,60E-03	1,29E-03	1,84E-03	4,68E-03	1,40E-03	0,00E+00	4,83E-05	8,79E-03	0,00E+00	-2,49E-02
		5,60E-03	1,50E-03	1,84E-03	6,24E-03	1,56E-03	0,00E+00	6,43E-05	1,17E-02	0,00E+00	-3,29E-02
		5,60E-03	1,72E-03	1,84E-03	7,77E-03	1,71E-03	0,00E+00	8,03E-05	1,46E-02	0,00E+00	-4,09E-02
POCP	kg NMVOC eq.	1,95E-03	2,44E-04	5,09E-04	6,70E-04	3,58E-04	0,00E+00	6,45E-06	1,65E-03	0,00E+00	-6,28E-03
		2,04E-03	2,72E-04	5,09E-04	8,92E-04	3,86E-04	0,00E+00	8,57E-06	2,19E-03	0,00E+00	-8,28E-03
		2,14E-03	3,00E-04	5,09E-04	1,11E-03	4,15E-04	0,00E+00	1,07E-05	2,72E-03	0,00E+00	-1,03E-02
ADP-minerals&metals*	kg Sb eq.	2,03E-06	1,10E-08	1,70E-08	2,60E-08	7,80E-06	0,00E+00	3,55E-10	2,54E-08	0,00E+00	-2,68E-07
		2,64E-06	1,27E-08	1,70E-08	3,47E-08	7,80E-06	0,00E+00	4,73E-10	3,37E-08	0,00E+00	-3,56E-07
		3,24E-06	1,43E-08	1,70E-08	4,33E-08	7,80E-06	0,00E+00	5,90E-10	4,19E-08	0,00E+00	-4,44E-07
ADP-fossil*	MJ	1,78E+01	1,94E+00	5,30E+00	4,57E+00	1,66E+00	0,00E+00	6,24E-02	2,81E+00	0,00E+00	-2,47E+01
		2,01E+01	2,22E+00	5,29E+00	6,08E+00	1,70E+00	0,00E+00	8,30E-02	3,73E+00	0,00E+00	-3,24E+01
		2,25E+01	2,51E+00	5,29E+00	7,59E+00	1,75E+00	0,00E+00	1,04E-01	4,64E+00	0,00E+00	-4,02E+01
WDP	m^3	2,36E-01	1,33E-03	1,33E-01	3,14E-03	8,05E-02	0,00E+00	4,29E-05	1,34E+00	0,00E+00	-2,36E-01
		2,36E-01	1,53E-03	1,32E-01	4,18E-03	1,04E-01	0,00E+00	5,70E-05	1,78E+00	0,00E+00	-3,01E-01
		2,36E-01	1,72E-03	1,32E-01	5,21E-03	1,26E-01	0,00E+00	7,12E-05	2,22E+00	0,00E+00	-3,68E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption										

** Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

Potential environmental impact – additional mandatory indicator – Untreated floors, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG*	kg CO_2 eq.	2,75E+00	2,01E-01	2,83E-01	4,69E-01	3,18E-01	0,00E+00	6,43E-03	2,17E+00	0,00E+00	-4,19E-01
		3,47E+00	2,31E-01	2,83E-01	6,24E-01	3,59E-01	0,00E+00	8,55E-03	2,88E+00	0,00E+00	-5,46E-01
		3,18E+00	2,61E-01	2,83E-01	7,79E-01	4,01E-01	0,00E+00	1,07E-02	3,52E+00	0,00E+00	-6,74E-01

**The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013*

Use of resources – Floors with wood stain and ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	6,92E+01	1,05E-01	4,38E-01	2,48E-01	2,74E-01	0,00E+00	3,39E-03	5,26E-01	0,00E+00	-6,37E+01
		8,59E+01	1,21E-01	4,38E-01	3,31E-01	2,83E-01	0,00E+00	4,51E-03	6,97E-01	0,00E+00	-8,43E+01
		1,03E+02	1,37E-01	4,38E-01	4,12E-01	2,92E-01	0,00E+00	5,63E-03	8,67E-01	0,00E+00	-1,05E+02
PERM	MJ	1,08E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,43E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		1,79E+02	0,00E+00	1,40E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,78E+02	1,05E-01	4,38E-01	2,48E-01	2,74E-01	0,00E+00	3,39E-03	5,26E-01	0,00E+00	-6,37E+01
		2,30E+02	1,21E-01	4,38E-01	3,30E-01	2,83E-01	0,00E+00	4,51E-03	6,97E-01	0,00E+00	-8,44E+01
		2,82E+02	1,37E-01	4,38E-01	4,12E-01	2,92E-01	0,00E+00	5,63E-03	8,67E-01	0,00E+00	-1,05E+02
PENRE	MJ	2,26E+01	1,94E+00	5,30E+00	4,59E+00	1,66E+00	0,00E+00	6,26E-02	2,81E+00	0,00E+00	-2,47E+01
		2,65E+01	2,23E+00	5,30E+00	6,10E+00	1,71E+00	0,00E+00	8,33E-02	3,73E+00	0,00E+00	-3,24E+01
		3,04E+01	2,52E+00	5,30E+00	7,61E+00	1,76E+00	0,00E+00	1,04E-01	4,64E+00	0,00E+00	-4,02E+01
PENRM	MJ.	0,00E+00	0,00E+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	0,00E+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	0,00E+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
PENRT	MJ	2,26E+01	1,94E+00	5,30E+00	4,59E+00	1,66E+00	0,00E+00	6,26E-02	2,81E+00	0,00E+00	-2,47E+01
		2,65E+01	2,23E+00	5,30E+00	6,10E+00	1,71E+00	0,00E+00	8,33E-02	3,73E+00	0,00E+00	-3,24E+01
		3,04E+01	2,52E+00	5,30E+00	7,61E+00	1,76E+00	0,00E+00	1,04E-01	4,64E+00	0,00E+00	-4,02E+01
SM	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	2,67E-02	1,23E-04	3,41E-03	2,89E-04	2,13E-03	0,00E+00	3,95E-06	3,16E-02	0,00E+00	-3,45E-02
		2,56E-02	1,41E-04	3,41E-03	3,85E-04	2,68E-03	0,00E+00	5,26E-06	4,19E-02	0,00E+00	-4,55E-02
		2,45E-02	1,59E-04	3,41E-03	4,81E-04	3,22E-03	0,00E+00	6,56E-06	5,22E-02	0,00E+00	-5,65E-02
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water										

Waste production – Floors with wood stain and ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	1,31E-03	8,45E-08	1,02E-08	1,99E-07	2,18E-09	0,00E+00	2,72E-09	2,19E-09	0,00E+00	-3,25E-08
		1,74E-03	9,71E-08	1,02E-08	2,65E-07	2,26E-09	0,00E+00	3,62E-09	2,82E-09	0,00E+00	-4,30E-08
		2,17E-03	1,10E-07	1,02E-08	3,31E-07	2,34E-09	0,00E+00	4,52E-09	3,46E-09	0,00E+00	-5,36E-08
Non-hazardous waste disposed	kg	5,24E-02	2,89E-04	1,48E-02	6,84E-04	8,20E-03	0,00E+00	9,33E-06	9,90E-02	0,00E+00	-1,06E-01
		5,37E-02	3,33E-04	1,48E-02	9,09E-04	9,80E-03	0,00E+00	1,24E-05	1,29E-01	0,00E+00	-1,41E-01
		5,51E-02	3,76E-04	1,48E-02	1,13E-03	1,14E-02	0,00E+00	1,55E-05	1,60E-01	0,00E+00	-1,75E-01
Radioactive waste disposed	kg	1,77E-04	3,37E-06	6,49E-06	7,95E-06	5,25E-05	0,00E+00	1,09E-07	1,62E-04	0,00E+00	-8,63E-03
		1,77E-04	3,87E-06	6,49E-06	1,06E-05	5,53E-05	0,00E+00	1,44E-07	2,14E-04	0,00E+00	-1,15E-02
		1,77E-04	4,37E-06	6,49E-06	1,32E-05	5,80E-05	0,00E+00	1,80E-07	2,66E-04	0,00E+00	-1,43E-02

Output flows – Floors with wood stain and ultra protect treatment, 15 mm, 20 mm and 25 mm in descending order.

Results per functional or declared unit											
Indicator	**Unit**	**A1**	**A2**	**A3**	**A4**	**A5**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling	kg	4,75E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		6,31E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		7,87E-02	0,00E+00	2,24E-03	0,00E+00	3,58E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	3,17E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	7,10E+00	0,00E+00	0,00E+00
		4,21E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	9,45E+00	0,00E+00	0,00E+00
		5,25E-02	0,00E+00	1,16E-01	0,00E+00	8,42E-03	0,00E+00	0,00E+00	1,18E+01	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,96E-01	0,00E+00	0,00E+00	1,86E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,32E+00	0,00E+00	0,00E+00	2,47E+01	0,00E+00	0,00E+00
		0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,64E+00	0,00E+00	0,00E+00	3,08E+01	0,00E+00	0,00E+00
Exported energy, thermal	MJ	4,08E-01	0,00E+00	0,00E+00	0,00E+00	1,79E+00	0,00E+00	0,00E+00	3,34E+01	0,00E+00	0,00E+00
		5,42E-01	0,00E+00	0,00E+00	0,00E+00	2,37E+00	0,00E+00	0,00E+00	4,44E+01	0,00E+00	0,00E+00
		6,76E-01	0,00E+00	0,00E+00	0,00E+00	2,95E+00	0,00E+00	0,00E+00	5,54E+01	0,00E+00	0,00E+00

Information on biogenic carbon content

Results per functional or declared unit		
BIOGENIC CARBON CONTENT	**Unit**	**QUANTITY**
Biogenic carbon content in product, 14 - 15 mm thickness	kg C	3,12
Biogenic carbon content in product, 20 mm thickness	kg C	4,15
Biogenic carbon content in product, 25 mm thickness	kg C	5,17
Biogenic carbon content in packaging	kg C	0,002

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO_2.

References

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