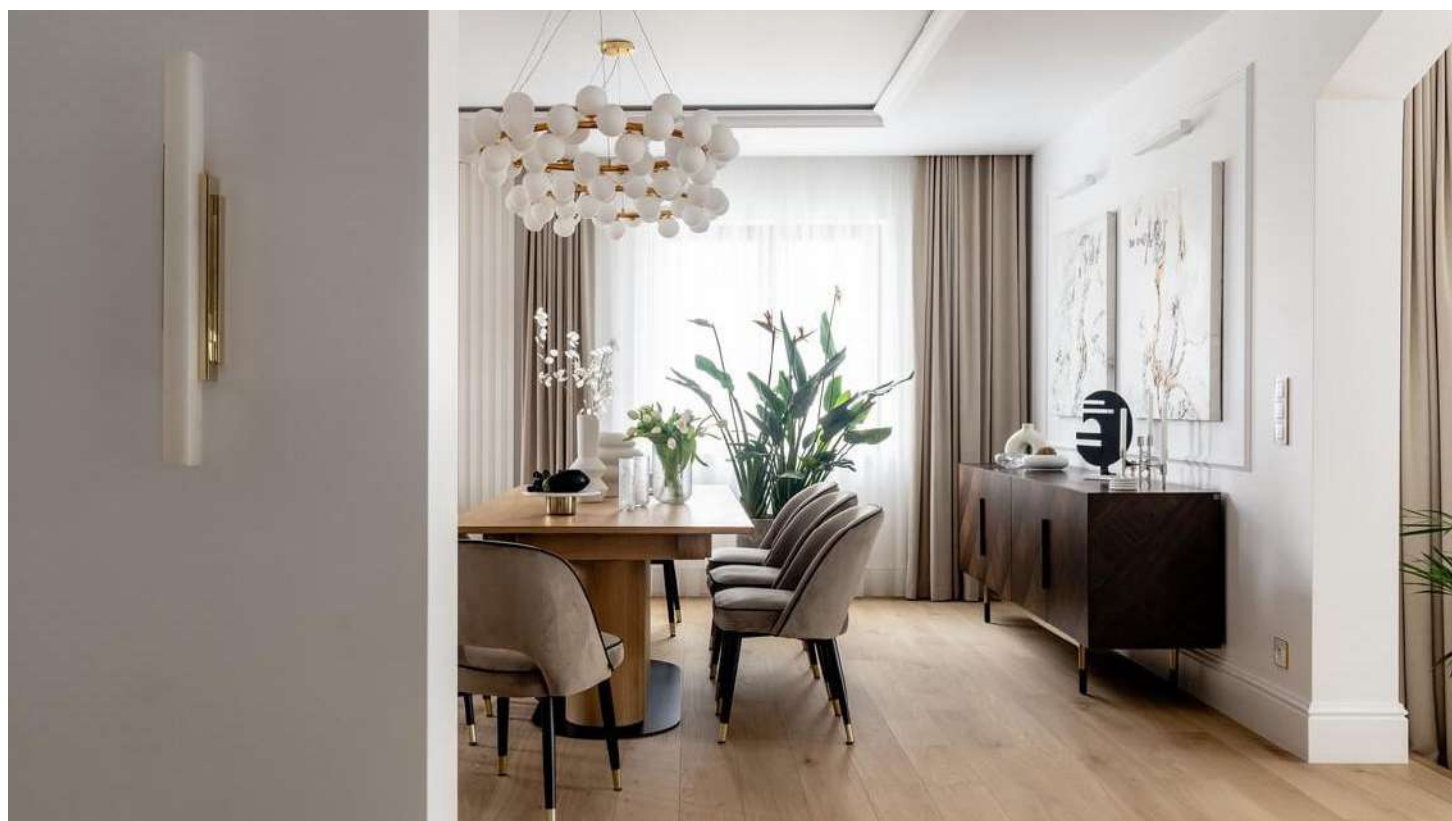


ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Product name:
Double Layered Parquet Flooring



Producer:
Kaczkan Zakład Produkcji Drzewnej
Józef Kaczkan Spółka Jawna



Address:
ul. Klonowy Dwór 13
14-330 Małdyty, Poland

Issued on 10 September 2025
Valid until 10 September 2030

GENERAL INFORMATION

EPD OWNER

Manufacturer / EPD Holder	Kaczkan Zakład Produkcji Drzewnej Józef Kaczkan Spółka Jawna
Address	Klonowy Dwór 13 14-330 Małdyty, Poland
Contact details	Phone: 89 758 19 00 e-mail: kaczkan@kaczkan.pl
Website	https://kaczkan.com/

PRODUCT IDENTIFICATION

Product name	Double Layered Parquet Flooring
Place(s) of production	Klonowy Dwór, Poland

EPD INFORMATION

EPD Poland program operator	Multicert Sp. z o.o. Ul. Mydlarska 47, 04-690 Warszawa, Poland www.epd.org.pl , epd@epd.org.pl
EPD standards	This EPD is in accordance with EN 15804+A2 and ISO 14025 standards.
Product category rules	The CEN standard EN 15804+A2 serves as the core PCR.
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal certification ☒ External verification
EPD verifier	Daniel Wałach, Ph.D.
EPD number	EPD-P 03.09.2025
Registration:	EPD Polska www.epd.org.pl
Publishing date	10 September 2025
EPD valid until	10 September 2030
Reasons for performing LCA	B2B
Accountability	The EPD Holder is responsible for the information provided and evidence. Multicert Sp. z o.o. does not hold responsibility for the manufacturer information, life cycle assessment data nor supporting evidence.

EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

COMPANY INFORMATION

HOLDER OF THE EPD

Kaczkan Zakład Produkcji Drzewnej Józef Kaczkan Spółka Jawna
Klonowy Dwór 13
14-330 Małdyty, Poland

COMPANY PROFILE

Kaczkan Zakład Produkcji Drzewnej Józef Kaczkan Spółka Jawna is a leading Polish manufacturer of engineered wooden flooring with a well-established position in the international market. As one of the country's top producers of wood flooring, Kaczkan combines extensive know-how with modern technology to deliver products of the highest quality.

The company's production infrastructure includes dedicated facilities for engineered flooring, a solid wood processing unit in Klonowy Dwór, and a state-of-the-art sawmill in Kielkuty. Together, these sites ensure a production capacity of approximately 1.4 million m² of wooden flooring annually, allowing the company to meet the growing demand from both domestic and global markets.

Floors are produced mainly from European hardwoods, primarily oak, originating from responsibly managed forests. A range of formats, structures, and finishes is offered, with advanced processing and finishing technologies ensuring durability, dimensional stability, and compliance with European standards.

Sustainability is an integral part of the production process. Efficient use of raw materials, internal recycling of wood by-products, and environmentally responsible finishing systems are applied throughout the operations. By providing durable natural wood floors, the production contributes to healthy indoor environments and to the long-term storage of biogenic carbon in buildings.

With strong export activity, Kaczkan products are present across Europe, North America, Asia, the Middle East, and Africa.

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Double layered parquet is an engineered wood flooring product composed of a hardwood top layer, typically oak, with a thickness of 3–6 mm, bonded to a stable base layer made of softwood or wood-based panels such as plywood, HDF, or blockboard. The product is factory-finished through multi-stage oiling or lacquering processes cured with UV radiation, ensuring high durability, resistance to mechanical wear, and immediate usability after installation. Due to its low thermal resistance and dimensional stability, the flooring is suitable for underfloor heating systems.

The product is available in several finishing variants including lacquered and oiled/unfinished, each offering specific technical characteristics:

Lacquered variants are finished with several layers of primers, base coats and a top coat, all cured with UV radiation. This finishing system provides a hard, wear-resistant surface with stable technical performance. Products are available in semi-matt and super-matt options and are typically supplied brushed and beveled on four sides.

Oiled variants are treated with hybrid oils and waxes, applied in multiple layers and UV-cured. The finish penetrates the wood surface, enhancing dimensional stability and moisture regulation. The flooring shows hydrophobic properties, good resistance to wear, and can be locally renewed through re-oiling during its service life.

The natural material composition ensures a healthy indoor climate and contributes to carbon storage over the product lifetime. Surface coatings (natural oils or UV-cured lacquers) are applied using certified finishing systems. The products do not contain hazardous substances listed in the REACH Candidate List (SVHC) above 0.1% by mass.

This EPD covers Double Layered Parquet Flooring and includes the following product groups:

No.	Product Group	Thickness range [mm]
1.	Oak/Pine Lacquered	10 – 15
2.	Oak/Pine Oiled/Unfinished	10 – 15
3.	Oak/Plywood Lacquered	9 – 14
4.	Oak/Plywood Oiled/Unfinished	9 – 14

Table 1. Product groups covered by the EPD

Representativity of Results

In accordance with EN 15804+A2, the declared unit is 1 m² of installed flooring. For each product group, the thinnest and thickest parquet variants were selected as representative products. The LCA results for intermediate thickness may be obtained by linear interpolation of the environmental indicators between the reported representative variants, using the declared board thickness (mm) as the proportional factor.

The representative products included in the study are listed below:

Id.	Name	Mass per declared unit [kg/m ²]
1.	Oak/Pine 10 mm Lacquered	6.2
2.	Oak/Pine 10 mm Oiled/Unfinished	6.0
3.	Oak/Pine 15 mm Lacquered	8.8
4.	Oak/Pine 15 mm Oiled/Unfinished	8.6
5.	Oak/Plywood 9 mm Lacquered	6.7
6.	Oak/Plywood 9 mm Oiled/Unfinished	6.5
7.	Oak/Plywood 14 mm Lacquered	9.4
8.	Oak/Plywood 14 mm Oiled/Unfinished	9.2

Table 2. Representative products used for the LCA calculations

PRODUCT APPLICATION

Double layered parquet flooring is intended for indoor use in residential, commercial, and public buildings. It is particularly suitable for living rooms, bedrooms, corridors, offices, and other spaces where durable, dimensionally stable, and easy-to-maintain flooring is required.

Thanks to its layered construction and low thermal resistance, the product is well adapted for installation over underfloor heating systems. Depending on the selected finish (lacquered or oiled), the flooring can offer different surface properties such as increased hardness, enhanced resistance to moisture and dirt, or improved possibilities for local renovation.

The flooring is designed for installation by gluing to a suitable subfloor (e.g. cement screed, anhydrite screed, or wooden base), in line with the manufacturer's instructions. Proper preparation of the subfloor, maintenance of indoor climate conditions, temperature and humidity, and appropriate adhesives are essential to ensure long-term durability.

Routine maintenance involves regular cleaning and, depending on the finish, periodic re-oiling or recoating. The product can be renovated by sanding and refinishing, which significantly extends its service life.

PRODUCT STANDARDS

The product complies with the following standards:

EN 13489:2023 – Wood-flooring and parquet – Multi-layer parquet elements

EN 14342:2013+A1:2009 – Wood flooring – Characteristics, evaluation of conformity and marking.

Compliance with EN 14342 forms the basis for CE marking under Regulation (EU) No 305/2011 (Construction Products Regulation). Products are tested and classified with respect to key performance parameters such as dimensional stability, reaction to fire, release of formaldehyde, thermal conductivity, and durability.

PRODUCT RAW MATERIAL COMPOSITION

Product Raw Material Composition For Double Layered Parquet Flooring

Id.	Name	Amount % (by weight)				
		Wood	Plywood	Oil	Lacquer	Adhesive
1.	Oak/Pine 10 mm Lacquered	93.6%	0.0%	0.0%	3.3%	3.1%
2.	Oak/Pine 10 mm Oiled/Unfinished	96.5%	0.0%	0.3%	0.0%	3.2%
3.	Oak/Pine 15 mm Lacquered	95.5%	0.0%	0.0%	2.3%	2.2%
4.	Oak/Pine 15 mm Oiled/Unfinished	97.6%	0.0%	0.2%	0.0%	2.2%
5.	Oak/Plywood 9 mm Lacquered	29.9%	64.2%	0.0%	3.1%	2.8%
6.	Oak/Plywood 9 mm Oiled/Unfinished	30.7%	66.1%	0.3%	0.0%	2.9%
7.	Oak/Plywood 14 mm Lacquered	27.7%	68.1%	0.0%	2.2%	2.0%
8.	Oak/Plywood 14 mm Oiled/Unfinished	28.2%	69.5%	0.2%	0.0%	2.1%

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0.1% (1000 ppm).

PRODUCT LIFE-CYCLE

MANUFACTURING AND PACKAGING (A1-A3)

The declared product is double layered parquet flooring, consisting of a hardwood top layer (oak) bonded to a softwood or plywood base. The declared unit includes the wood components, adhesive used for bonding, and surface finish (oil or lacquer).

The system boundaries include modules A1–A3: supply of raw materials and auxiliary inputs, processing of input materials, and packaging of the final product. The processes cover the conversion of roundwood into sawn timber, drying, production of the top hardwood lamella and base layers, and surface finishing.

Parquet production includes bonding of layers, surface treatment (lacquering or oiling), calibration and profiling, and packaging for distribution. Electricity is supplied from the national grid, while heat for drying and processing is generated from wood chips.

END OF LIFE (C1, C2, C3, C4, D)

At the end-of-life, during the deconstruction stage, 100% of the parquet flooring is assumed to be manually removed as separated waste, with no additional material or energy use accounted for in this phase (C1). The waste is then transported an average distance of 100 km to a waste treatment facility (C2). It is assumed that 100% of the product is incinerated. Incineration is modelled with an overall efficiency below 60% (thermal waste treatment), and therefore reported entirely in Module C4.

In Module D, environmental benefits are credited for substituted heat and electricity from energy recovery of waste wood and packaging materials, displacing conventional energy production.

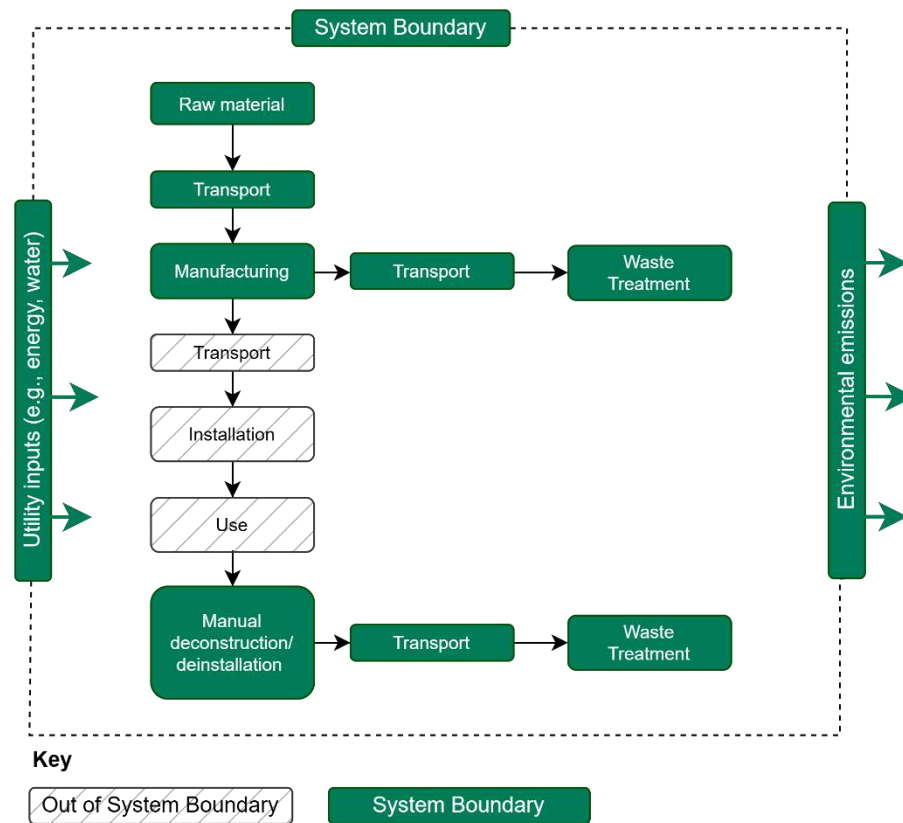


Figure 1 – System Boundary Diagram for Double Layered Parquet Flooring

LIFE-CYCLE ASSESSMENT

LIFE-CYCLE ASSESSMENT INFORMATION

Period for data	2024 year
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DECLARED AND FUNCTIONAL UNIT

Declared unit	1 m ²
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BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

		Biogenic carbon content in product, kg C	Biogenic carbon content in packaging, kg C
1.	Oak/Pine 10 mm Lacquered	2.721	0.035
2.	Oak/Pine 10 mm Oiled/Unfinished	2.721	0.034
3.	Oak/Pine 15 mm Lacquered	3.941	0.050
4.	Oak/Pine 15 mm Oiled/Unfinished	3.941	0.049
5.	Oak/Plywood 9 mm Lacquered	2.721	0.038
6.	Oak/Plywood 9 mm Oiled/Unfinished	2.721	0.037
7.	Oak/Plywood 14 mm Lacquered	3.873	0.054
8.	Oak/Plywood 14 mm Oiled/Unfinished	3.873	0.053

SYSTEM BOUNDARY

The scope of the EPD is "cradle to gate with modules C1-C4 and module D". The modules A1 (Raw material supply), A2 (Transport) and A3 (Manufacturing), C1 Deconstruction /Demolition C2 (Waste Transport), C3 (Waste Processing), C4 (Waste Disposal) and D are included in the study.

Product stage		Assembly stage			Use stage							End of life stage				Beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr. /Deinstallation	Transport	Waste processing	Disposal	Reuse / Recycling

Modules not declared = MND. Modules not relevant = MNR.

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the *EN 15804:2012+A2:2019*. The study does not exclude any hazardous materials or substances.

The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes which data are available for are included in the calculation. There is no neglected unit process more than 1% of total mass and energy flows. The total neglected input and output flows do also not exceed 5% of energy usage or mass.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy, and water use related to company management and sales activities are excluded.

ESTIMATES AND ASSUMPTIONS

This LCA study is conducted in accordance with all methodological considerations, such as performance, system boundaries, data quality, allocation procedures, and decision rules to evaluate inputs and outputs. All estimations and assumptions are given below:

- **Module (A1-A3):** All relevant data provided by the manufacturer have been included in the assessment. The average transport distances for each input material were calculated based on supplier locations and allocated to the declared unit. Electricity from the national grid is used to power the production processes, while process heat – in particular for wood drying – is mainly generated from wood chips
- **Module (C1):** At the end of life, parquet flooring is assumed to be manually dismantled without requiring additional equipment or energy.
- **Module (C2):** 100 kms of distance is taken as an average for the transportation of waste to the treatment facilities.
- **Module (C3):** No significant waste processing is required prior to final disposal. At the End-of-Life stage, parquet flooring waste is assumed to be directly directed to thermal treatment plants. Only minimal operations such as collection and transfer are considered. The actual incineration with energy recovery is reported in Module C4.
- **Module (C4):** It is presumed that 100% of the products are incinerated with energy recovery (total energy recovery efficiency of the incineration process is below 60%)-thermal waste treatment.
- **Module (D):** Benefits are reported for the avoided production of heat and electricity due to energy recovery from the incineration of waste wood and packaging materials.

ALLOCATION

The allocation is carried out in accordance with the provisions of EN 15804. The information provided for the year 2024 includes all films produced at facilities during that year. The allocation included the following data: LPG, water, electricity, steam, waste, and packaging. For the listed inputs and outputs, the data was compiled by the manufacturer collectively for the entire factory. Due to the similarity in the production processes of other products, a mass allocation approach was used to inventory data for individual products.

DATA QUALITY

For foreground data, the LCA study relies on high-quality primary data gathered by Kaczkan Zakład Produkcji Drzewnej Józef Kaczkan Spółka Jawna. All relevant background data sets have been sourced from the LCA for Experts, version 10.9.1.19 – software's database Sphera Managed LCA Content Databases v2025 and from available EPD.

GEOGRAPHIC REPRESENTATIVENESS

The specified land or region where the product system is manufactured and managed is

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PINE 10 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	1.78E-02	MND	MND	MND	0.00E+00	9.67E-05	0.00E+00	1.69E-03	-5.45E-03
Climate change – total	kg CO ₂ e	-3.05E+00	MND	MND	MND	0.00E+00	5.23E-02	0.00E+00	1.01E+01	-4.41E+00
Climate change – fossil	kg CO ₂ e	6.97E+00	MND	MND	MND	0.00E+00	5.29E-02	0.00E+00	1.76E-01	-4.40E+00
Climate change – biogenic	kg CO ₂ e	-9.93E+00	MND	MND	MND	0.00E+00	-1.17E-03	0.00E+00	9.96E+00	-2.82E-03
Climate change – LULUC	kg CO ₂ e	7.44E-03	MND	MND	MND	0.00E+00	5.44E-04	0.00E+00	2.40E-04	-5.91E-04
Abiotic depletion of fossil resources	MJ	8.25E+01	MND	MND	MND	0.00E+00	6.77E-01	0.00E+00	2.50E+00	-5.49E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.67E-04	MND	MND	MND	0.00E+00	1.42E-07	0.00E+00	1.86E-07	-1.02E-06
Eutrophication, aquatic marine	kg Ne	4.62E-03	MND	MND	MND	0.00E+00	4.12E-05	0.00E+00	4.94E-04	-1.47E-03
Eutrophication, terrestrial	mol Ne	4.97E-02	MND	MND	MND	0.00E+00	4.40E-04	0.00E+00	7.07E-03	-1.62E-02
Abiotic depletion, minerals & metals	kg Sbe	1.22E-05	MND	MND	MND	0.00E+00	3.51E-09	0.00E+00	1.34E-08	-4.09E-07
Ozone depletion	kg CFC11e	1.33E-06	MND	MND	MND	0.00E+00	8.77E-15	0.00E+00	1.17E-12	-5.37E-11
Photochemical ozone formation	kg NMVOCe	1.35E-02	MND	MND	MND	0.00E+00	8.68E-05	0.00E+00	1.35E-03	-4.23E-03
Water use	m ³ e depr.	9.72E-01	MND	MND	MND	0.00E+00	2.42E-04	0.00E+00	1.11E+00	-1.97E-02

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PINE 10 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	2.52E+01	MND	MND	MND	0.00E+00	8.80E-01	0.00E+00	9.88E-01	-8.27E+00
Human toxicity, cancer effects	CTUh	1.14E-09	MND	MND	MND	0.00E+00	1.19E-11	0.00E+00	1.03E-10	-5.30E-10
Human toxicity, non-cancer effects	CTUh	2.27E-08	MND	MND	MND	0.00E+00	6.64E-10	0.00E+00	5.34E-09	-7.32E-09
Ionizing radiation, human health	kBq U235e	1.88E-02	MND	MND	MND	0.00E+00	1.83E-04	0.00E+00	2.13E-02	-2.69E-03
Particulate matter	Incidence	3.53E-07	MND	MND	MND	0.00E+00	8.04E-10	0.00E+00	1.13E-08	-5.12E-08

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PINE 10 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	6.57E+01	MND	MND	MND	0.00E+00	6.77E-01	0.00E+00	2.50E+00	-5.49E+01
Total use of renewable PER	MJ	1.56E+02	MND	MND	MND	0.00E+00	5.10E-02	0.00E+00	6.69E-01	-1.58E+01
Use of net fresh water	m ³	1.03E-02	MND	MND	MND	0.00E+00	2.52E-05	0.00E+00	2.61E-02	-5.02E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PINE 10 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	8.84E-06	MND	MND	MND	0.00E+00	2.72E-11	0.00E+00	1.33E-09	-3.64E-08
Radioactive waste	kg	2.89E-04	MND	MND	MND	0.00E+00	1.28E-06	0.00E+00	1.35E-04	-2.25E-05
Non-hazardous waste	kg	5.10E-01	MND	MND	MND	0.00E+00	9.45E-05	0.00E+00	1.98E-01	-2.36E-02

END OF LIFE OUTPUT FLOWS – OAK/PINE 10 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.37E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.40E+01	-1.43E+01
Exported energy thermal	MJ	4.57E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.53E+01	-2.57E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PINE 10 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	1.67E-02	MND	MND	MND	0.00E+00	9.36E-05	0.00E+00	1.64E-03	-5.27E-03
Climate change – total	kg CO ₂ e	-3.49E+00	MND	MND	MND	0.00E+00	5.06E-02	0.00E+00	1.01E+01	-4.27E+00
Climate change – fossil	kg CO ₂ e	6.58E+00	MND	MND	MND	0.00E+00	5.12E-02	0.00E+00	1.70E-01	-4.26E+00
Climate change – biogenic	kg CO ₂ e	-9.99E+00	MND	MND	MND	0.00E+00	-1.13E-03	0.00E+00	9.96E+00	-2.73E-03
Climate change – LULUC	kg CO ₂ e	1.17E-02	MND	MND	MND	0.00E+00	5.26E-04	0.00E+00	2.32E-04	-5.72E-04
Abiotic depletion of fossil resources	MJ	7.45E+01	MND	MND	MND	0.00E+00	6.55E-01	0.00E+00	2.42E+00	-5.31E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.81E-04	MND	MND	MND	0.00E+00	1.38E-07	0.00E+00	1.80E-07	-9.84E-07
Eutrophication, aquatic marine	kg Ne	4.59E-03	MND	MND	MND	0.00E+00	3.98E-05	0.00E+00	4.78E-04	-1.43E-03
Eutrophication, terrestrial	mol Ne	4.94E-02	MND	MND	MND	0.00E+00	4.25E-04	0.00E+00	6.84E-03	-1.57E-02
Abiotic depletion, minerals & metals	kg Sbe	1.29E-04	MND	MND	MND	0.00E+00	3.40E-09	0.00E+00	1.29E-08	-3.96E-07
Ozone depletion	kg CFC11e	1.18E-08	MND	MND	MND	0.00E+00	8.48E-15	0.00E+00	1.13E-12	-5.20E-11
Photochemical ozone formation	kg NMVOCe	1.26E-02	MND	MND	MND	0.00E+00	8.40E-05	0.00E+00	1.31E-03	-4.10E-03
Water use	m ³ e depr.	5.21E-01	MND	MND	MND	0.00E+00	2.34E-04	0.00E+00	1.07E+00	-1.91E-02

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EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PINE 10 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	6.35E+01	MND	MND	MND	0.00E+00	8.52E-01	0.00E+00	9.56E-01	-8.00E+00
Human toxicity, cancer effects	CTUh	1.58E-09	MND	MND	MND	0.00E+00	1.15E-11	0.00E+00	9.96E-11	-5.13E-10
Human toxicity, non-cancer effects	CTUh	4.08E-08	MND	MND	MND	0.00E+00	6.42E-10	0.00E+00	5.17E-09	-7.09E-09
Ionizing radiation, human health	kBq U235e	3.62E-02	MND	MND	MND	0.00E+00	1.78E-04	0.00E+00	2.06E-02	-2.60E-03
Particulate matter	Incidence	3.66E-07	MND	MND	MND	0.00E+00	7.78E-10	0.00E+00	1.09E-08	-4.96E-08

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PINE 10 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	6.48E+01	MND	MND	MND	0.00E+00	6.55E-01	0.00E+00	2.42E+00	-5.31E+01
Total use of renewable PER	MJ	1.55E+02	MND	MND	MND	0.00E+00	4.94E-02	0.00E+00	6.47E-01	-1.53E+01
Use of net fresh water	m ³	7.34E-02	MND	MND	MND	0.00E+00	2.44E-05	0.00E+00	2.52E-02	-4.86E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PINE 10 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	9.47E-04	MND	MND	MND	0.00E+00	2.63E-11	0.00E+00	1.28E-09	-3.53E-08
Radioactive waste	kg	2.69E-04	MND	MND	MND	0.00E+00	1.24E-06	0.00E+00	1.30E-04	-2.18E-05
Non-hazardous waste	kg	1.34E-01	MND	MND	MND	0.00E+00	9.15E-05	0.00E+00	1.92E-01	-2.29E-02

END OF LIFE OUTPUT FLOWS – OAK/PINE 10 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.29E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.36E+01	-1.38E+01
Exported energy thermal	MJ	4.42E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.45E+01	-2.49E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PINE 15 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H+e	2.35E-02	MND	MND	MND	0.00E+00	1.37E-04	0.00E+00	2.40E-03	-7.74E-03
Climate change – total	kg CO2e	-4.87E+00	MND	MND	MND	0.00E+00	7.42E-02	0.00E+00	1.47E+01	-6.26E+00
Climate change – fossil	kg CO2e	9.63E+00	MND	MND	MND	0.00E+00	7.51E-02	0.00E+00	2.50E-01	-6.25E+00
Climate change – biogenic	kg CO2e	-1.44E+01	MND	MND	MND	0.00E+00	-1.66E-03	0.00E+00	1.44E+01	-4.00E-03
Climate change – LULUC	kg CO2e	1.05E-02	MND	MND	MND	0.00E+00	7.72E-04	0.00E+00	3.41E-04	-8.39E-04
Abiotic depletion of fossil resources	MJ	1.11E+02	MND	MND	MND	0.00E+00	9.61E-01	0.00E+00	3.55E+00	-7.79E+01
Eutrophication, aquatic freshwater	kg PO4e	1.71E-04	MND	MND	MND	0.00E+00	2.02E-07	0.00E+00	2.64E-07	-1.44E-06
Eutrophication, aquatic marine	kg Ne	6.29E-03	MND	MND	MND	0.00E+00	5.84E-05	0.00E+00	7.00E-04	-2.09E-03
Eutrophication, terrestrial	mol Ne	6.81E-02	MND	MND	MND	0.00E+00	6.24E-04	0.00E+00	1.00E-02	-2.30E-02
Abiotic depletion, minerals & metals	kg Sbe	1.28E-05	MND	MND	MND	0.00E+00	4.99E-09	0.00E+00	1.90E-08	-5.81E-07
Ozone depletion	kg CFC11e	1.34E-06	MND	MND	MND	0.00E+00	1.24E-14	0.00E+00	1.66E-12	-7.62E-11
Photochemical ozone formation	kg NMVOCe	1.83E-02	MND	MND	MND	0.00E+00	1.23E-04	0.00E+00	1.92E-03	-6.01E-03
Water use	m3e depr.	1.16E+00	MND	MND	MND	0.00E+00	3.43E-04	0.00E+00	1.57E+00	-2.80E-02

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PINE 15 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	3.57E+01	MND	MND	MND	0.00E+00	1.25E+00	0.00E+00	1.40E+00	-1.17E+01
Human toxicity, cancer effects	CTUh	1.64E-09	MND	MND	MND	0.00E+00	1.69E-11	0.00E+00	1.46E-10	-7.53E-10
Human toxicity, non-cancer effects	CTUh	3.23E-08	MND	MND	MND	0.00E+00	9.42E-10	0.00E+00	7.58E-09	-1.04E-08
Ionizing radiation, human health	kBq U235e	2.70E-02	MND	MND	MND	0.00E+00	2.60E-04	0.00E+00	3.03E-02	-3.82E-03
Particulate matter	Incidence	5.08E-07	MND	MND	MND	0.00E+00	1.14E-09	0.00E+00	1.61E-08	-7.27E-08

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USE OF NATURAL RESOURCES – OAK/PINE 15 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	9.37E+01	MND	MND	MND	0.00E+00	9.61E-01	0.00E+00	3.55E+00	-7.79E+01
Total use of renewable PER	MJ	2.25E+02	MND	MND	MND	0.00E+00	7.24E-02	0.00E+00	9.49E-01	-2.24E+01
Use of net fresh water	m ³	1.37E-02	MND	MND	MND	0.00E+00	3.58E-05	0.00E+00	3.70E-02	-7.13E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PINE 15 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	8.96E-06	MND	MND	MND	0.00E+00	3.85E-11	0.00E+00	1.88E-09	-5.17E-08
Radioactive waste	kg	3.47E-04	MND	MND	MND	0.00E+00	1.81E-06	0.00E+00	1.91E-04	-3.20E-05
Non-hazardous waste	kg	5.50E-01	MND	MND	MND	0.00E+00	1.34E-04	0.00E+00	2.81E-01	-3.35E-02

END OF LIFE OUTPUT FLOWS – OAK/PINE 15 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	3.36E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.99E+01	-2.03E+01
Exported energy thermal	MJ	6.49E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	3.59E+01	-3.65E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PINE 15 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	2.26E-02	MND	MND	MND	0.00E+00	1.34E-04	0.00E+00	2.34E-03	-7.56E-03
Climate change – total	kg CO ₂ e	-5.30E+00	MND	MND	MND	0.00E+00	7.26E-02	0.00E+00	1.47E+01	-6.11E+00
Climate change – fossil	kg CO ₂ e	9.26E+00	MND	MND	MND	0.00E+00	7.34E-02	0.00E+00	2.44E-01	-6.11E+00
Climate change – biogenic	kg CO ₂ e	-1.44E+01	MND	MND	MND	0.00E+00	-1.62E-03	0.00E+00	1.44E+01	-3.91E-03
Climate change – LULUC	kg CO ₂ e	1.51E-02	MND	MND	MND	0.00E+00	7.54E-04	0.00E+00	3.33E-04	-8.20E-04
Abiotic depletion of fossil resources	MJ	1.03E+02	MND	MND	MND	0.00E+00	9.39E-01	0.00E+00	3.47E+00	-7.61E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.97E-04	MND	MND	MND	0.00E+00	1.98E-07	0.00E+00	2.58E-07	-1.41E-06
Eutrophication, aquatic marine	kg Ne	6.30E-03	MND	MND	MND	0.00E+00	5.71E-05	0.00E+00	6.85E-04	-2.05E-03
Eutrophication, terrestrial	mol Ne	6.81E-02	MND	MND	MND	0.00E+00	6.10E-04	0.00E+00	9.80E-03	-2.25E-02
Abiotic depletion, minerals & metals	kg Sbe	1.39E-04	MND	MND	MND	0.00E+00	4.87E-09	0.00E+00	1.85E-08	-5.68E-07
Ozone depletion	kg CFC11e	1.32E-08	MND	MND	MND	0.00E+00	1.22E-14	0.00E+00	1.62E-12	-7.45E-11
Photochemical ozone formation	kg NMVOCe	1.74E-02	MND	MND	MND	0.00E+00	1.20E-04	0.00E+00	1.88E-03	-5.87E-03
Water use	m ³ e depr.	7.07E-01	MND	MND	MND	0.00E+00	3.35E-04	0.00E+00	1.54E+00	-2.74E-02

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, – OAK/PINE 15 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	7.71E+01	MND	MND	MND	0.00E+00	1.22E+00	0.00E+00	1.37E+00	-1.15E+01
Human toxicity, cancer effects	CTUh	2.11E-09	MND	MND	MND	0.00E+00	1.65E-11	0.00E+00	1.43E-10	-7.35E-10
Human toxicity, non-cancer effects	CTUh	5.19E-08	MND	MND	MND	0.00E+00	9.21E-10	0.00E+00	7.41E-09	-1.02E-08
Ionizing radiation, human health	kBq U235e	4.57E-02	MND	MND	MND	0.00E+00	2.55E-04	0.00E+00	2.96E-02	-3.73E-03
Particulate matter	Incidence	5.23E-07	MND	MND	MND	0.00E+00	1.12E-09	0.00E+00	1.57E-08	-7.11E-08

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USE OF NATURAL RESOURCES – OAK/PINE 15 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	9.28E+01	MND	MND	MND	0.00E+00	9.39E-01	0.00E+00	3.47E+00	-7.61E+01
Total use of renewable PER	MJ	2.24E+02	MND	MND	MND	0.00E+00	7.08E-02	0.00E+00	9.27E-01	-2.19E+01
Use of net fresh water	m ³	8.18E-02	MND	MND	MND	0.00E+00	3.50E-05	0.00E+00	3.62E-02	-6.96E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PINE 15 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	1.02E-03	MND	MND	MND	0.00E+00	3.77E-11	0.00E+00	1.84E-09	-5.05E-08
Radioactive waste	kg	3.27E-04	MND	MND	MND	0.00E+00	1.77E-06	0.00E+00	1.87E-04	-3.13E-05
Non-hazardous waste	kg	1.74E-01	MND	MND	MND	0.00E+00	1.31E-04	0.00E+00	2.75E-01	-3.28E-02

END OF LIFE OUTPUT FLOWS – OAK/PINE 15 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	3.28E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.95E+01	-1.98E+01
Exported energy thermal	MJ	6.34E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	3.51E+01	-3.57E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PLYWOOD 9 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	2.46E-02	MND	MND	MND	0.00E+00	1.04E-04	0.00E+00	1.83E-03	-5.89E-03
Climate change – total	kg CO ₂ e	-2.65E+00	MND	MND	MND	0.00E+00	5.65E-02	0.00E+00	1.01E+01	-4.76E+00
Climate change – fossil	kg CO ₂ e	7.40E+00	MND	MND	MND	0.00E+00	5.72E-02	0.00E+00	1.90E-01	-4.76E+00
Climate change – biogenic	kg CO ₂ e	-9.95E+00	MND	MND	MND	0.00E+00	-1.26E-03	0.00E+00	9.95E+00	-3.05E-03
Climate change – LULUC	kg CO ₂ e	3.92E-03	MND	MND	MND	0.00E+00	5.88E-04	0.00E+00	2.59E-04	-6.39E-04
Abiotic depletion of fossil resources	MJ	9.94E+01	MND	MND	MND	0.00E+00	7.32E-01	0.00E+00	2.70E+00	-5.93E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.73E-04	MND	MND	MND	0.00E+00	1.54E-07	0.00E+00	2.01E-07	-1.10E-06
Eutrophication, aquatic marine	kg Ne	8.34E-03	MND	MND	MND	0.00E+00	4.45E-05	0.00E+00	5.33E-04	-1.59E-03
Eutrophication, terrestrial	mol Ne	8.95E-02	MND	MND	MND	0.00E+00	4.75E-04	0.00E+00	7.64E-03	-1.75E-02
Abiotic depletion, minerals & metals	kg Sbe	1.21E-05	MND	MND	MND	0.00E+00	3.80E-09	0.00E+00	1.45E-08	-4.42E-07
Ozone depletion	kg CFC11e	1.33E-06	MND	MND	MND	0.00E+00	9.47E-15	0.00E+00	1.26E-12	-5.80E-11
Photochemical ozone formation	kg NMVOCe	2.16E-02	MND	MND	MND	0.00E+00	9.38E-05	0.00E+00	1.46E-03	-4.58E-03
Water use	m ³ e depr.	9.83E-01	MND	MND	MND	0.00E+00	2.61E-04	0.00E+00	1.20E+00	-2.13E-02

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ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PLYWOOD 9 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	1.95E+01	MND	MND	MND	0.00E+00	9.51E-01	0.00E+00	1.07E+00	-8.93E+00
Human toxicity, cancer effects	CTUh	7.58E-10	MND	MND	MND	0.00E+00	1.28E-11	0.00E+00	1.11E-10	-5.73E-10
Human toxicity, non-cancer effects	CTUh	1.58E-08	MND	MND	MND	0.00E+00	7.17E-10	0.00E+00	5.77E-09	-7.91E-09
Ionizing radiation, human health	kBq U235e	1.29E-02	MND	MND	MND	0.00E+00	1.98E-04	0.00E+00	2.30E-02	-2.91E-03
Particulate matter	Incidence	1.65E-07	MND	MND	MND	0.00E+00	8.69E-10	0.00E+00	1.22E-08	-5.54E-08

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EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PLYWOOD 9 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	5.22E+01	MND	MND	MND	0.00E+00	7.32E-01	0.00E+00	2.70E+00	-5.93E+01
Total use of renewable PER	MJ	6.90E+01	MND	MND	MND	0.00E+00	5.51E-02	0.00E+00	7.22E-01	-1.71E+01
Use of net fresh water	m ³	1.67E-02	MND	MND	MND	0.00E+00	2.73E-05	0.00E+00	2.82E-02	-5.43E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PLYWOOD 9 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	3.88E-02	MND	MND	MND	0.00E+00	2.93E-11	0.00E+00	1.43E-09	-3.94E-08
Radioactive waste	kg	1.53E-03	MND	MND	MND	0.00E+00	1.38E-06	0.00E+00	1.46E-04	-2.43E-05
Non-hazardous waste	kg	5.58E-01	MND	MND	MND	0.00E+00	1.02E-04	0.00E+00	2.14E-01	-2.55E-02

END OF LIFE OUTPUT FLOWS – OAK/PLYWOOD 9 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	1.84E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.52E+01	-1.53E+01
Exported energy thermal	MJ	3.29E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.73E+01	-2.77E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PLYWOOD 9 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	2.35E-02	MND	MND	MND	0.00E+00	1.01E-04	0.00E+00	1.77E-03	-5.71E-03
Climate change – total	kg CO ₂ e	-3.09E+00	MND	MND	MND	0.00E+00	5.48E-02	0.00E+00	1.01E+01	-4.62E+00
Climate change – fossil	kg CO ₂ e	7.02E+00	MND	MND	MND	0.00E+00	5.55E-02	0.00E+00	1.84E-01	-4.62E+00
Climate change – biogenic	kg CO ₂ e	-1.00E+01	MND	MND	MND	0.00E+00	-1.23E-03	0.00E+00	9.95E+00	-2.95E-03
Climate change – LULUC	kg CO ₂ e	8.23E-03	MND	MND	MND	0.00E+00	5.70E-04	0.00E+00	2.52E-04	-6.20E-04
Abiotic depletion of fossil resources	MJ	9.14E+01	MND	MND	MND	0.00E+00	7.10E-01	0.00E+00	2.62E+00	-5.75E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.89E-04	MND	MND	MND	0.00E+00	1.49E-07	0.00E+00	1.95E-07	-1.07E-06
Eutrophication, aquatic marine	kg Ne	8.32E-03	MND	MND	MND	0.00E+00	4.31E-05	0.00E+00	5.17E-04	-1.55E-03
Eutrophication, terrestrial	mol Ne	8.92E-02	MND	MND	MND	0.00E+00	4.61E-04	0.00E+00	7.41E-03	-1.70E-02
Abiotic depletion, minerals & metals	kg Sbe	1.30E-04	MND	MND	MND	0.00E+00	3.68E-09	0.00E+00	1.40E-08	-4.29E-07
Ozone depletion	kg CFC11e	1.20E-08	MND	MND	MND	0.00E+00	9.19E-15	0.00E+00	1.22E-12	-5.63E-11
Photochemical ozone formation	kg NMVOCe	2.07E-02	MND	MND	MND	0.00E+00	9.10E-05	0.00E+00	1.42E-03	-4.44E-03
Water use	m ³ e depr.	5.31E-01	MND	MND	MND	0.00E+00	2.53E-04	0.00E+00	1.16E+00	-2.07E-02

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PLYWOOD 9 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	5.82E+01	MND	MND	MND	0.00E+00	9.23E-01	0.00E+00	1.04E+00	-8.67E+00
Human toxicity, cancer effects	CTUh	1.20E-09	MND	MND	MND	0.00E+00	1.25E-11	0.00E+00	1.08E-10	-5.56E-10
Human toxicity, non-cancer effects	CTUh	3.41E-08	MND	MND	MND	0.00E+00	6.96E-10	0.00E+00	5.60E-09	-7.68E-09
Ionizing radiation, human health	kBq U235e	3.05E-02	MND	MND	MND	0.00E+00	1.92E-04	0.00E+00	2.24E-02	-2.82E-03
Particulate matter	Incidence	1.78E-07	MND	MND	MND	0.00E+00	8.43E-10	0.00E+00	1.19E-08	-5.37E-08

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PLYWOOD 9 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	5.13E+01	MND	MND	MND	0.00E+00	7.10E-01	0.00E+00	2.62E+00	-5.75E+01
Total use of renewable PER	MJ	6.84E+01	MND	MND	MND	0.00E+00	5.35E-02	0.00E+00	7.01E-01	-1.66E+01
Use of net fresh water	m ³	8.03E-02	MND	MND	MND	0.00E+00	2.64E-05	0.00E+00	2.73E-02	-5.26E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PLYWOOD 9 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	3.97E-02	MND	MND	MND	0.00E+00	2.85E-11	0.00E+00	1.39E-09	-3.82E-08
Radioactive waste	kg	1.51E-03	MND	MND	MND	0.00E+00	1.34E-06	0.00E+00	1.41E-04	-2.36E-05
Non-hazardous waste	kg	1.81E-01	MND	MND	MND	0.00E+00	9.91E-05	0.00E+00	2.08E-01	-2.48E-02

END OF LIFE OUTPUT FLOWS – OAK/PLYWOOD 9 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	1.78E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.47E+01	-1.49E+01
Exported energy thermal	MJ	3.20E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.65E+01	-2.68E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PLYWOOD 14 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	3.33E-02	MND	MND	MND	0.00E+00	1.47E-04	0.00E+00	2.56E-03	-8.26E-03
Climate change – total	kg CO ₂ e	-4.18E+00	MND	MND	MND	0.00E+00	7.93E-02	0.00E+00	1.44E+01	-6.68E+00
Climate change – fossil	kg CO ₂ e	1.01E+01	MND	MND	MND	0.00E+00	8.03E-02	0.00E+00	2.67E-01	-6.68E+00
Climate change – biogenic	kg CO ₂ e	-1.42E+01	MND	MND	MND	0.00E+00	-1.77E-03	0.00E+00	1.42E+01	-4.27E-03
Climate change – LULUC	kg CO ₂ e	5.06E-03	MND	MND	MND	0.00E+00	8.24E-04	0.00E+00	3.64E-04	-8.97E-04
Abiotic depletion of fossil resources	MJ	1.34E+02	MND	MND	MND	0.00E+00	1.03E+00	0.00E+00	3.79E+00	-8.32E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	1.80E-04	MND	MND	MND	0.00E+00	2.16E-07	0.00E+00	2.82E-07	-1.54E-06
Eutrophication, aquatic marine	kg Ne	1.17E-02	MND	MND	MND	0.00E+00	6.24E-05	0.00E+00	7.48E-04	-2.24E-03
Eutrophication, terrestrial	mol Ne	1.26E-01	MND	MND	MND	0.00E+00	6.66E-04	0.00E+00	1.07E-02	-2.46E-02
Abiotic depletion, minerals & metals	kg Sbe	1.25E-05	MND	MND	MND	0.00E+00	5.33E-09	0.00E+00	2.03E-08	-6.20E-07
Ozone depletion	kg CFC11e	1.34E-06	MND	MND	MND	0.00E+00	1.33E-14	0.00E+00	1.77E-12	-8.14E-11
Photochemical ozone formation	kg NMVOCe	3.01E-02	MND	MND	MND	0.00E+00	1.32E-04	0.00E+00	2.05E-03	-6.42E-03
Water use	m ³ e depr.	1.17E+00	MND	MND	MND	0.00E+00	3.66E-04	0.00E+00	1.68E+00	-2.99E-02

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Abiotic depletion and Water use indicators and all optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PLYWOOD 14 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	2.66E+01	MND	MND	MND	0.00E+00	1.33E+00	0.00E+00	1.50E+00	-1.25E+01
Human toxicity, cancer effects	CTUh	1.04E-09	MND	MND	MND	0.00E+00	1.80E-11	0.00E+00	1.56E-10	-8.04E-10
Human toxicity, non-cancer effects	CTUh	2.15E-08	MND	MND	MND	0.00E+00	1.01E-09	0.00E+00	8.09E-09	-1.11E-08
Ionizing radiation, human health	kBq U235e	1.77E-02	MND	MND	MND	0.00E+00	2.78E-04	0.00E+00	3.23E-02	-4.08E-03
Particulate matter	Incidence	2.20E-07	MND	MND	MND	0.00E+00	1.22E-09	0.00E+00	1.72E-08	-7.77E-08

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PLYWOOD 14 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	7.20E+01	MND	MND	MND	0.00E+00	1.03E+00	0.00E+00	3.79E+00	-8.32E+01
Total use of renewable PER	MJ	9.20E+01	MND	MND	MND	0.00E+00	7.74E-02	0.00E+00	1.01E+00	-2.40E+01
Use of net fresh water	m ³	2.29E-02	MND	MND	MND	0.00E+00	3.82E-05	0.00E+00	3.95E-02	-7.61E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PLYWOOD 14 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	5.77E-02	MND	MND	MND	0.00E+00	4.12E-11	0.00E+00	2.01E-09	-5.52E-08
Radioactive waste	kg	2.20E-03	MND	MND	MND	0.00E+00	1.94E-06	0.00E+00	2.04E-04	-3.42E-05
Non-hazardous waste	kg	6.19E-01	MND	MND	MND	0.00E+00	1.43E-04	0.00E+00	3.01E-01	-3.58E-02

END OF LIFE OUTPUT FLOWS – OAK/PLYWOOD 14 MM LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.58E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.13E+01	-2.15E+01
Exported energy thermal	MJ	4.62E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	3.83E+01	-3.88E+01

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2 – OAK/PLYWOOD 14 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Acidification	mol H ⁺ e	3.24E-02	MND	MND	MND	0.00E+00	1.43E-04	0.00E+00	2.51E-03	-8.09E-03
Climate change – total	kg CO ₂ e	-4.60E+00	MND	MND	MND	0.00E+00	7.76E-02	0.00E+00	1.44E+01	-6.54E+00
Climate change – fossil	kg CO ₂ e	9.76E+00	MND	MND	MND	0.00E+00	7.85E-02	0.00E+00	2.61E-01	-6.54E+00
Climate change – biogenic	kg CO ₂ e	-1.42E+01	MND	MND	MND	0.00E+00	-1.74E-03	0.00E+00	1.42E+01	-4.18E-03
Climate change – LULUC	kg CO ₂ e	9.78E-03	MND	MND	MND	0.00E+00	8.07E-04	0.00E+00	3.56E-04	-8.78E-04
Abiotic depletion of fossil resources	MJ	1.27E+02	MND	MND	MND	0.00E+00	1.00E+00	0.00E+00	3.71E+00	-8.14E+01
Eutrophication, aquatic freshwater	kg PO ₄ e	2.09E-04	MND	MND	MND	0.00E+00	2.11E-07	0.00E+00	2.76E-07	-1.51E-06
Eutrophication, aquatic marine	kg Ne	1.18E-02	MND	MND	MND	0.00E+00	6.11E-05	0.00E+00	7.32E-04	-2.19E-03
Eutrophication, terrestrial	mol Ne	1.26E-01	MND	MND	MND	0.00E+00	6.52E-04	0.00E+00	1.05E-02	-2.41E-02
Abiotic depletion, minerals & metals	kg Sbe	1.42E-04	MND	MND	MND	0.00E+00	5.21E-09	0.00E+00	1.98E-08	-6.07E-07
Ozone depletion	kg CFC11e	1.35E-08	MND	MND	MND	0.00E+00	1.30E-14	0.00E+00	1.73E-12	-7.97E-11
Photochemical ozone formation	kg NMVOCe	2.93E-02	MND	MND	MND	0.00E+00	1.29E-04	0.00E+00	2.01E-03	-6.28E-03
Water use	m ³ e depr.	7.13E-01	MND	MND	MND	0.00E+00	3.58E-04	0.00E+00	1.64E+00	-2.93E-02

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ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – OAK/PLYWOOD 14 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	6.88E+01	MND	MND	MND	0.00E+00	1.31E+00	0.00E+00	1.47E+00	-1.23E+01
Human toxicity, cancer effects	CTUh	1.52E-09	MND	MND	MND	0.00E+00	1.76E-11	0.00E+00	1.53E-10	-7.87E-10
Human toxicity, non-cancer effects	CTUh	4.15E-08	MND	MND	MND	0.00E+00	9.85E-10	0.00E+00	7.92E-09	-1.09E-08
Ionizing radiation, human health	kBq U235e	3.69E-02	MND	MND	MND	0.00E+00	2.72E-04	0.00E+00	3.16E-02	-3.99E-03
Particulate matter	Incidence	2.35E-07	MND	MND	MND	0.00E+00	1.19E-09	0.00E+00	1.68E-08	-7.60E-08

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EN 15804+A2 disclaimer for Ionizing radiation, human health. 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.

USE OF NATURAL RESOURCES – OAK/PLYWOOD 14 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Total use of non-renewable PER	MJ	7.12E+01	MND	MND	MND	0.00E+00	1.00E+00	0.00E+00	3.71E+00	-8.14E+01
Total use of renewable PER	MJ	9.14E+01	MND	MND	MND	0.00E+00	7.57E-02	0.00E+00	9.92E-01	-2.34E+01
Use of net fresh water	m ³	9.23E-02	MND	MND	MND	0.00E+00	3.74E-05	0.00E+00	3.87E-02	-7.45E-03
Use of renewable secondary fuels	MJ	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary materials	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

MND abbreviation stands for Module Not Declared, MNR stands for Module Not Relevant

END OF LIFE WASTE – OAK/PLYWOOD 14 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Hazardous waste	kg	5.87E-02	MND	MND	MND	0.00E+00	4.03E-11	0.00E+00	1.97E-09	-5.41E-08
Radioactive waste	kg	2.18E-03	MND	MND	MND	0.00E+00	1.90E-06	0.00E+00	2.00E-04	-3.34E-05
Non-hazardous waste	kg	2.43E-01	MND	MND	MND	0.00E+00	1.40E-04	0.00E+00	2.94E-01	-3.51E-02

END OF LIFE OUTPUT FLOWS – OAK/PLYWOOD 14 MM OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Components for reuse	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.52E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.08E+01	-2.11E+01
Exported energy thermal	MJ	4.52E-01	MND	MND	MND	0.00E+00	0.00E+00	0.00E+00	3.75E+01	-3.80E+01

SCENARIO DOCUMENTATION

Manufacturing energy scenario documentation

Scenario parameter	Value
Electricity data source and quality	Electricity, medium voltage, production mix (Reference product: electricity, medium voltage), Poland, 2024
Electricity CO ₂ / kWh	0.664 kg CO ₂ / kWh

End of life scenario documentation

Scenario parameter	Value
Collection process – % collected separately	100
Collection process – % collected with mixed waste	-
Recovery process – % for re-use	-
% for recycling	-
% for final deposition	-
% for thermal waste treatment	100
Scenario assumptions for transportation	End-of-life product is transported 100 km with Truck, Euro mix, 24.7t payload capacity

BIBLIOGRAPHY

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations. Principles and procedures.

ISO 14040:2006 Environmental management. Life cycle assessment. Principles and frameworks.

ISO 14044:2006 Environmental management. Life cycle assessment. Requirements and guidelines.

EN 15804:2012+A2:2019 Sustainability in construction works - Environmental product declarations - Core rules for the product category of construction products.

ISO 15686-1:2011 Buildings and constructed assets – Service life planning – Part 1: General principles and framework

ISO 15686-8:2008 Buildings and constructed assets – Service life planning – Part 8: Reference service life and service-life estimation

PN-EN 16485:2014-06 Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction

Sphera. LCA Database. Available at: <https://lcadatabase.sphera.com/> [Accessed: 19.08.2025].

AIB. European Residual Mix 2024. Available at: <https://www.aib-net.org/facts/european-residual-mix/2024> [Accessed: 19.08.2025].

Act of December 14, 2012 on Waste, Dz.U. 2013 poz. 21, with later amendments. Available at:
<https://isap.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=wdu20130000021>
[Accessed: 19.08.2025].

Commission Recommendation (EU) 2021/2279 of 15 December 2021 on the use of environmental footprint methods for measuring and communicating the life cycle environmental performance of products and organisations. Official Journal of the European Union, L 471, 15.12.2021, p. 1–16. Available at: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32021H2279>
[Accessed: 19.08.2025].

EPD VERIFICATION:

The verification procedure for this Environmental Product Declaration (EPD) has been carried out in accordance with the requirements of ISO 14025 standards. Once the verification process is complete, the EPD remains valid for a period of 5 years. There is no need to recalculate the parameters contained in the EPD after this period, provided that the data underlying the declaration have not changed substantially.

EPD CONTRIBUTORS

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EPD verifier	Daniel Wałach, Ph.D.

Note: The sole ownership, liability, and liability of this declaration are with the owner. Construction product declarations may not be comparable if they do not comply with EN 15804. For detailed information on comparability, please refer to EN 15804 and ISO 14025.



Reg. No. EPD-P 03.09.2025

CERTIFICATE

EPD TYPE III DECLARATION

(ENVIRONMENTAL PRODUCT DECLARATION)

This document confirms that the Environmental Product Declaration developed by

Kaczkan Zakład Produkcji Drzewnej Józef Kaczkan
Spółka Jawna

for Double Layered Parquet Flooring

manufactured in accordance with standards

EN 13489:2023, EN 14342:2013



and that the data contained therein has been prepared correctly.

Verification carried out by:

Daniel Wałach, Ph. D.



Program Manager

Grzegorz Suwara

This document is valid until September 10, 2030, or until EPD is deregistered and its publication on the website www.epd.org.pl is discontinued.

EPD Polska Registration Office,
Warsaw, September 10, 2025

www.epd.com.pl