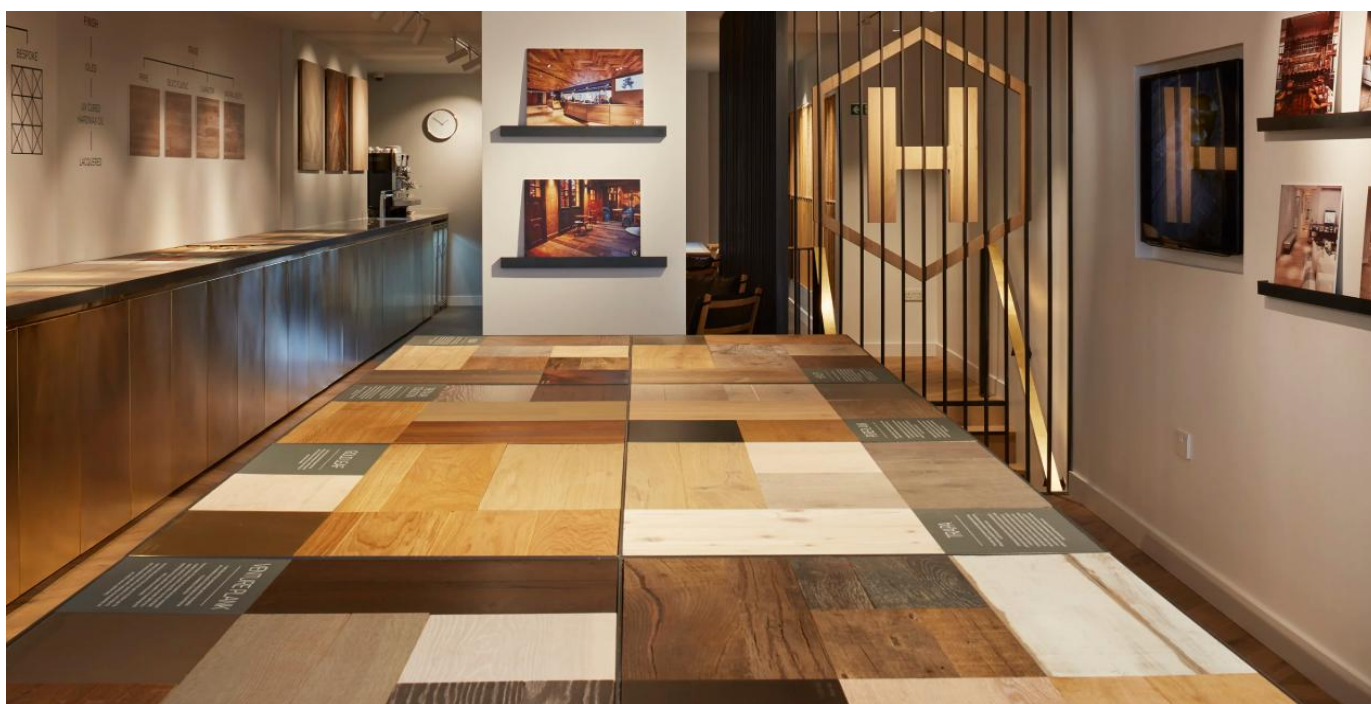


ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

**Product name: Italian Collection
Double Layered Parquet Flooring**



EPD holder:
Havwoods Limited



Address:
12-14 Carnforth Business Park
Oakwood Way
LA5 9FD Carnforth Lancashire
United Kingdom

HAVWOODS

Issued on 17 November 2025
Valid until 17 November 2030

GENERAL INFORMATION

EPD OWNER

Manufacturer / EPD Holder	Havwoods Limited
Address	Carnforth Business Park Oakwood Way Carnforth Lancashire LA5 9FD United Kingdom
Contact details	Tel: +44(0)1524 737000 e-mail: info@havwoods.com
Website	http://www.havwoods.com

PRODUCT IDENTIFICATION

Product name	Italian Collection Double Layered Parquet Flooring
Place(s) of production	Poland

EPD INFORMATION

EPD Polska 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	Izabela Sztambere-Sochan, Ph.D.
EPD number	EPD-P 05.11.2025
Registration:	EPD Polska www.epd.org.pl
Publishing date	17 November 2025
EPD valid until	17 November 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

Havwoods Limited
Carnforth Business Park
Oakwood Way
Carnforth
Lancashire LA5 9FD
United Kingdom

COMPANY PROFILE

Havwoods Limited is a global leader in premium engineered wood flooring, trusted by architects, interior designers, specifiers and homeowners for over fifty years. Combining unrivalled expertise with craftsmanship and design innovation, Havwoods sets the benchmark for outstanding quality and exceptional service. With products found in some of the world's finest restaurants, hotels, retail spaces, workspaces and private residences, Havwoods' premium collections are available in an extensive range of species, finishes, patterns and colours to ensure the perfect fit for any interior.

With a long-standing international presence and infrastructure, Havwoods has showrooms, offices and state-of-the-art distribution hubs across three continents. Providing a seamless international service, Havwoods is known for providing consistent product availability, expert technical support and a world-class customer experience. Operating a extensive portfolio, their product offering includes over 450 premium wood flooring products and 200 luxury wood surfaces, with bespoke solutions available to meet precise project requirements.

Havwoods maintains a long-term commitment to sustainability and achieving ambitious carbon reduction targets across its global operations. This includes rigorous processes to measure its carbon footprint and the implementation of a multi-point carbon reduction action plan. Working exclusively with reputable timber suppliers, Havwoods applies stringent onboarding procedures and embeds robust environmental criteria throughout its supply chain. Timber is ethically and responsibly sourced, with regular supplier audits conducted to ensure ongoing environmental compliance. The company holds leading certifications, including FSC®, PEFC, Cradle to Cradle®, FloorScore®, and, in the UK, ISO 14001 for environmental management systems.

Sustainability is embedded in every part of Havwoods – from responsible material sourcing and efficient resource use to the day-to-day practices within the business. By creating durable, natural wood floors that contribute to healthy indoor environments and long-term carbon storage, Havwoods continues to shape and champion a more sustainable future within the built environment.

SCOPE OF THIS EPD

This Environmental Product Declaration (EPD) covers double-layered parquet flooring with oak wear layers on pine or plywood substrates—offered with lacquered, oiled, or unfinished surfaces—sold by Havwoods Limited. All products covered are manufactured in Poland by a Polish producer on behalf of Havwoods Limited and are marketed under Havwoods brand Italian Collection.

PRODUCT INFORMATION

PRODUCT DESCRIPTION

The double-layered parquet is an engineered wood flooring system consisting of a hardwood wear layer, generally oak, with a typical thickness of 3–6 mm, permanently bonded to a dimensionally stable substrate such as softwood or plywood. The product is factory-finished under controlled conditions, using multi-stage lacquering or oiling processes with UV curing. This industrial finishing ensures high surface durability, resistance to mechanical stress, and immediate readiness for use after installation. Thanks to its low thermal resistance and high dimensional stability, the product is particularly suitable for use with underfloor heating systems.

The product portfolio includes several finishing options, each with distinct technical and performance characteristics:

- **Lacquered finishes** are applied in multiple layers, comprising primers, intermediate coats, and a UV-cured top layer. This finishing system results in a highly wear-resistant, dimensionally stable surface. The flooring is available in semi-matt and extra-matt variants and is commonly supplied brushed and beveled on four sides.
- **Oiled finishes** are based on hybrid oils and waxes applied in successive layers and UV-cured. The finish penetrates into the wood structure, enhancing dimensional stability, regulating moisture exchange, and imparting hydrophobic properties. The surface demonstrates good abrasion resistance and can be easily renewed during its service life by localized re-oiling.

As a natural wood-based product, the parquet contributes to indoor environmental quality and acts as a carbon store throughout its lifetime. All coatings (natural oils or UV-cured lacquers) are applied using certified industrial 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 manufactured in Poland by a Polish producer for Havwoods Limited:

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

The double-layered parquet flooring is intended for interior use in residential, commercial, and public buildings. Typical applications include living rooms, bedrooms, corridors, offices, and other areas requiring a durable, dimensionally stable, and easy-to-maintain surface.

Due to its engineered structure and low thermal resistance, the flooring is well suited for installation in combination with underfloor heating systems. Depending on the selected surface treatment (lacquered or oiled), the product provides varying performance characteristics, including enhanced surface hardness, improved resistance to moisture and soiling, and the possibility of localized renovation during service life.

Installation is carried out by adhering the elements to a suitable prepared substrate, such as cement or anhydrite screeds, or wooden bases, in accordance with manufacturer guidelines. Correct preparation of the subfloor, compliance with recommended indoor climate parameters (temperature and relative humidity), and the use of appropriate adhesives are essential to ensure long-term functional performance.

Maintenance consists of routine cleaning and, depending on the finish, periodic re-oiling or recoating. The surface can be restored through sanding and refinishing, thereby significantly prolonging the service life of the flooring.

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)

Modules A1–A3 represent manufacturing at the Polish production site of the Polish producer manufacturing on behalf of Havwoods Limited; primary process and energy data come from this site.

The declared product is a two-layer parquet flooring system, composed of an oak hardwood wear layer bonded to a softwood or plywood substrate. The declared unit encompasses the wooden components, the adhesive used to join them, and the surface finish (oil or lacquer).

The life cycle boundary covers modules A1–A3: sourcing and supply of raw and auxiliary materials, their processing, and the packaging of the finished flooring. These stages include transforming roundwood into sawn timber, kiln drying, manufacturing the hardwood lamella and supporting base layers, as well as applying the surface finish.

Production involves assembling the layers with adhesive, surface finishing (oiling or lacquering), calibration and profiling of the boards, and finally packaging for shipment. Electricity is drawn from the national grid, while heat for drying and processing is generated from wood chips.

TRANSPORT (A4)

Module A4 covers only the shipment of finished products from the Polish manufacturing site to Havwoods' central UK warehouse. Any onward distribution to customers is excluded. The inventory is modeled per 1 kg of product as 2,000 kg·km by road and 50 kg·km by sea, expressed in kg·km (mass × distance) and scaled to the declared unit.

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

At the end of their service life, the parquet flooring is assumed to be fully dismantled by hand and removed as separate waste, without the need for additional materials or energy inputs during this deconstruction phase (C1). The collected waste is then transported an average of 100 km to a waste treatment facility (C2). It is considered that the entire product undergoes incineration. This thermal treatment is modelled with an overall efficiency of less than 60% and is therefore fully reported within Module C4.

Module D accounts for the potential environmental credits arising from energy recovery during the incineration of waste wood and packaging materials. The recovered heat and electricity are assumed to replace conventional energy generation.

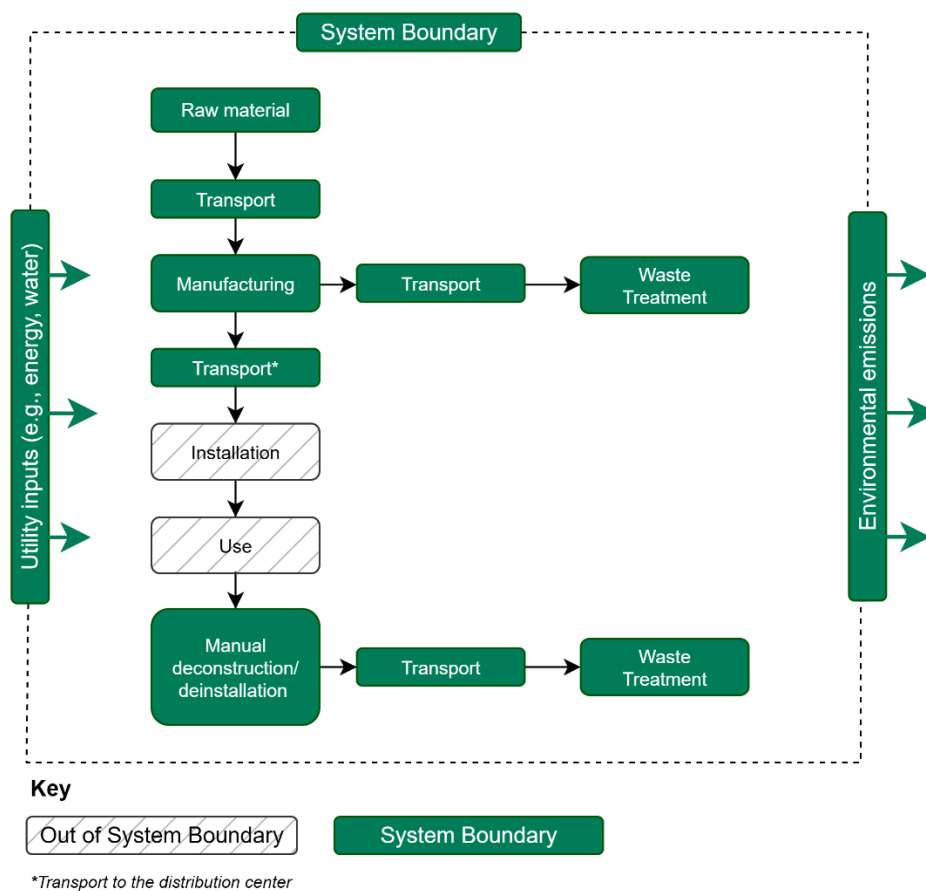


Figure 1 – System Boundary Diagram for Double Layered Parquet Flooring

LIFE-CYCLE ASSESSMENT

LIFE-CYCLE ASSESSMENT INFORMATION

Period for data 2024 year

DECLARED AND FUNCTIONAL UNIT

Declared unit 1 m²

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 A4, C1-C4 and module D". The modules A1 (Raw material supply), A2 (Transport) and A3 (Manufacturing), A4 (Transport from manufacturing site to central warehouse in UK), C1 Deconstruction /Demolition C2 (Waste Transport), C3 (Waste Processing), C4 (Waste Disposal) and D are included in the study.

Product lifecycle stages and environmental impact																
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	X	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. /Deinstaltation	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 (A4):** Covers only shipment of finished products from the Polish manufacturing site to Havwoods' central warehouse in the United Kingdom; onward distribution to customers is excluded. The model applies 2,000 kg·km by road (transport, freight, lorry 16–32 t, EURO6) and 50 kg·km by sea (transport, freight, sea, container ship) per 1 kg of product.
- **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 the manufacturer. 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 Poland.

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	5,08E-03	MND	MND	0.00E+00	9.67E-05	0.00E+00	1.69E-03	-5.45E-03
Climate change – total	kg CO2e	-3.05E+00	2,30E+00	MND	MND	0.00E+00	5.23E-02	0.00E+00	1.01E+01	-4.41E+00
Climate change – fossil	kg CO2e	6.97E+00	2,29E+00	MND	MND	0.00E+00	5.29E-02	0.00E+00	1.76E-01	-4.40E+00
Climate change – biogenic	kg CO2e	-9.93E+00	2,11E-03	MND	MND	0.00E+00	-1.17E-03	0.00E+00	9.96E+00	-2.82E-03
Climate change – LULUC	kg CO2e	7.44E-03	1,12E-03	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	3,28E+01	MND	MND	0.00E+00	6.77E-01	0.00E+00	2.50E+00	-5.49E+01
Eutrophication, aquatic freshwater	kg PO4e	1.67E-04	1,63E-04	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	1,30E-03	MND	MND	0.00E+00	4.12E-05	0.00E+00	4.94E-04	-1.47E-03
Eutrophication, terrestrial	mol Ne	4.97E-02	1,31E-02	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	5,33E-06	MND	MND	0.00E+00	3.51E-09	0.00E+00	1.34E-08	-4.09E-07
Ozone depletion	kg CFC11e	1.33E-06	4,99E-08	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	7,87E-03	MND	MND	0.00E+00	8.68E-05	0.00E+00	1.35E-03	-4.23E-03
Water use	m3e depr.	9.72E-01	1,63E-01	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	1,61E+01	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	1,03E-09	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	2,01E-08	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	4,41E-02	MND	MND	0.00E+00	1.83E-04	0.00E+00	2.13E-02	-2.69E-03
Particulate matter	Incidence	3.53E-07	1,37E-07	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	3,28E+01	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	5,12E-01	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	5,39E-03	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	0,00E+00	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	0,00E+00	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	2,08E-04	MND	MND	0.00E+00	2.72E-11	0.00E+00	1.33E-09	-3.64E-08
Radioactive waste	kg	2.89E-04	1,07E-05	MND	MND	0.00E+00	1.28E-06	0.00E+00	1.35E-04	-2.25E-05
Non-hazardous waste	kg	5.10E-01	9,30E-04	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.37E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.40E+01	-1.43E+01
Exported energy thermal	MJ	4.57E-01	0,00E+00	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	4,92E-03	MND	MND	0.00E+00	9.36E-05	0.00E+00	1.64E-03	-5.27E-03
Climate change – total	kg CO2e	-3.49E+00	2,22E+00	MND	MND	0.00E+00	5.06E-02	0.00E+00	1.01E+01	-4.27E+00
Climate change – fossil	kg CO2e	6.58E+00	2,22E+00	MND	MND	0.00E+00	5.12E-02	0.00E+00	1.70E-01	-4.26E+00
Climate change – biogenic	kg CO2e	-9.99E+00	2,04E-03	MND	MND	0.00E+00	-1.13E-03	0.00E+00	9.96E+00	-2.73E-03
Climate change – LULUC	kg CO2e	1.17E-02	1,08E-03	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	3,18E+01	MND	MND	0.00E+00	6.55E-01	0.00E+00	2.42E+00	-5.31E+01
Eutrophication, aquatic freshwater	kg PO4e	1.81E-04	1,58E-04	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	1,26E-03	MND	MND	0.00E+00	3.98E-05	0.00E+00	4.78E-04	-1.43E-03
Eutrophication, terrestrial	mol Ne	4.94E-02	1,27E-02	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	5,16E-06	MND	MND	0.00E+00	3.40E-09	0.00E+00	1.29E-08	-3.96E-07
Ozone depletion	kg CFC11e	1.18E-08	4,83E-08	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	7,62E-03	MND	MND	0.00E+00	8.40E-05	0.00E+00	1.31E-03	-4.10E-03
Water use	m3e depr.	5.21E-01	1,58E-01	MND	MND	0.00E+00	2.34E-04	0.00E+00	1.07E+00	-1.91E-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 OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	6.35E+01	1,55E+01	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	9,94E-10	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	1,95E-08	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	4,27E-02	MND	MND	0.00E+00	1.78E-04	0.00E+00	2.06E-02	-2.60E-03
Particulate matter	Incidence	3.66E-07	1,32E-07	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	3,18E+01	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	4,95E-01	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	5,22E-03	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	0,00E+00	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	0,00E+00	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	2,01E-04	MND	MND	0.00E+00	2.63E-11	0.00E+00	1.28E-09	-3.53E-08
Radioactive waste	kg	2.69E-04	1,04E-05	MND	MND	0.00E+00	1.24E-06	0.00E+00	1.30E-04	-2.18E-05
Non-hazardous waste	kg	1.34E-01	9,00E-04	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.29E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.36E+01	-1.38E+01
Exported energy thermal	MJ	4.42E-01	0,00E+00	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	7,22E-03	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	3,26E+00	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	3,26E+00	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	2,99E-03	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	1,58E-03	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	4,66E+01	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	2,31E-04	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	1,85E-03	MND	MND	0.00E+00	5.84E-05	0.00E+00	7.00E-04	-2.09E-03
Eutrophication, terrestrial	mol Ne	6.81E-02	1,86E-02	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	7,56E-06	MND	MND	0.00E+00	4.99E-09	0.00E+00	1.90E-08	-5.81E-07
Ozone depletion	kg CFC11e	1.34E-06	7,09E-08	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	1,12E-02	MND	MND	0.00E+00	1.23E-04	0.00E+00	1.92E-03	-6.01E-03
Water use	m3e depr.	1.16E+00	2,31E-01	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	2,28E+01	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	1,46E-09	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	2,85E-08	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	6,26E-02	MND	MND	0.00E+00	2.60E-04	0.00E+00	3.03E-02	-3.82E-03
Particulate matter	Incidence	5.08E-07	1,94E-07	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	4,66E+01	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	7,26E-01	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	7,66E-03	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	0,00E+00	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	0,00E+00	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	2,95E-04	MND	MND	0.00E+00	3.85E-11	0.00E+00	1.88E-09	-5.17E-08
Radioactive waste	kg	3.47E-04	1,52E-05	MND	MND	0.00E+00	1.81E-06	0.00E+00	1.91E-04	-3.20E-05
Non-hazardous waste	kg	5.50E-01	1,32E-03	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	3.36E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.99E+01	-2.03E+01
Exported energy thermal	MJ	6.49E-01	0,00E+00	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	7,05E-03	MND	MND	0.00E+00	1.34E-04	0.00E+00	2.34E-03	-7.56E-03
Climate change – total	kg CO2e	-5.30E+00	3,19E+00	MND	MND	0.00E+00	7.26E-02	0.00E+00	1.47E+01	-6.11E+00
Climate change – fossil	kg CO2e	9.26E+00	3,18E+00	MND	MND	0.00E+00	7.34E-02	0.00E+00	2.44E-01	-6.11E+00
Climate change – biogenic	kg CO2e	-1.44E+01	2,92E-03	MND	MND	0.00E+00	-1.62E-03	0.00E+00	1.44E+01	-3.91E-03
Climate change – LULUC	kg CO2e	1.51E-02	1,55E-03	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	4,55E+01	MND	MND	0.00E+00	9.39E-01	0.00E+00	3.47E+00	-7.61E+01
Eutrophication, aquatic freshwater	kg PO4e	1.97E-04	2,26E-04	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	1,81E-03	MND	MND	0.00E+00	5.71E-05	0.00E+00	6.85E-04	-2.05E-03
Eutrophication, terrestrial	mol Ne	6.81E-02	1,81E-02	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	7,39E-06	MND	MND	0.00E+00	4.87E-09	0.00E+00	1.85E-08	-5.68E-07
Ozone depletion	kg CFC11e	1.32E-08	6,92E-08	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	1,09E-02	MND	MND	0.00E+00	1.20E-04	0.00E+00	1.88E-03	-5.87E-03
Water use	m3e depr.	7.07E-01	2,26E-01	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

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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	2,23E+01	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	1,42E-09	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	2,79E-08	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	6,11E-02	MND	MND	0.00E+00	2.55E-04	0.00E+00	2.96E-02	-3.73E-03
Particulate matter	Incidence	5.23E-07	1,89E-07	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	4,55E+01	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	7,10E-01	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	7,48E-03	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	0,00E+00	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	0,00E+00	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	2,88E-04	MND	MND	0.00E+00	3.77E-11	0.00E+00	1.84E-09	-5.05E-08
Radioactive waste	kg	3.27E-04	1,48E-05	MND	MND	0.00E+00	1.77E-06	0.00E+00	1.87E-04	-3.13E-05
Non-hazardous waste	kg	1.74E-01	1,29E-03	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	3.28E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.95E+01	-1.98E+01
Exported energy thermal	MJ	6.34E-01	0,00E+00	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	5,49E-03	MND	MND	0.00E+00	1.04E-04	0.00E+00	1.83E-03	-5.89E-03
Climate change – total	kg CO2e	-2.65E+00	2,48E+00	MND	MND	0.00E+00	5.65E-02	0.00E+00	1.01E+01	-4.76E+00
Climate change – fossil	kg CO2e	7.40E+00	2,48E+00	MND	MND	0.00E+00	5.72E-02	0.00E+00	1.90E-01	-4.76E+00
Climate change – biogenic	kg CO2e	-9.95E+00	2,28E-03	MND	MND	0.00E+00	-1.26E-03	0.00E+00	9.95E+00	-3.05E-03
Climate change – LULUC	kg CO2e	3.92E-03	1,21E-03	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	3,55E+01	MND	MND	0.00E+00	7.32E-01	0.00E+00	2.70E+00	-5.93E+01
Eutrophication, aquatic freshwater	kg PO4e	1.73E-04	1,76E-04	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	1,41E-03	MND	MND	0.00E+00	4.45E-05	0.00E+00	5.33E-04	-1.59E-03
Eutrophication, terrestrial	mol Ne	8.95E-02	1,41E-02	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	5,76E-06	MND	MND	0.00E+00	3.80E-09	0.00E+00	1.45E-08	-4.42E-07
Ozone depletion	kg CFC11e	1.33E-06	5,39E-08	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	8,51E-03	MND	MND	0.00E+00	9.38E-05	0.00E+00	1.46E-03	-4.58E-03
Water use	m3e depr.	9.83E-01	1,76E-01	MND	MND	0.00E+00	2.61E-04	0.00E+00	1.20E+00	-2.13E-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 LACQUERED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	1.95E+01	1,74E+01	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	1,11E-09	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	2,17E-08	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	4,76E-02	MND	MND	0.00E+00	1.98E-04	0.00E+00	2.30E-02	-2.91E-03
Particulate matter	Incidence	1.65E-07	1,48E-07	MND	MND	0.00E+00	8.69E-10	0.00E+00	1.22E-08	-5.54E-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 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	3,55E+01	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	5,53E-01	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	5,83E-03	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	0,00E+00	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	0,00E+00	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	2,24E-04	MND	MND	0.00E+00	2.93E-11	0.00E+00	1.43E-09	-3.94E-08
Radioactive waste	kg	1.53E-03	1,16E-05	MND	MND	0.00E+00	1.38E-06	0.00E+00	1.46E-04	-2.43E-05
Non-hazardous waste	kg	5.58E-01	1,01E-03	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	1.84E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.52E+01	-1.53E+01
Exported energy thermal	MJ	3.29E-01	0,00E+00	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	5,33E-03	MND	MND	0.00E+00	1.01E-04	0.00E+00	1.77E-03	-5.71E-03
Climate change – total	kg CO2e	-3.09E+00	2,41E+00	MND	MND	0.00E+00	5.48E-02	0.00E+00	1.01E+01	-4.62E+00
Climate change – fossil	kg CO2e	7.02E+00	2,41E+00	MND	MND	0.00E+00	5.55E-02	0.00E+00	1.84E-01	-4.62E+00
Climate change – biogenic	kg CO2e	-1.00E+01	2,21E-03	MND	MND	0.00E+00	-1.23E-03	0.00E+00	9.95E+00	-2.95E-03
Climate change – LULUC	kg CO2e	8.23E-03	1,17E-03	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	3,44E+01	MND	MND	0.00E+00	7.10E-01	0.00E+00	2.62E+00	-5.75E+01
Eutrophication, aquatic freshwater	kg PO4e	1.89E-04	1,71E-04	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	1,37E-03	MND	MND	0.00E+00	4.31E-05	0.00E+00	5.17E-04	-1.55E-03
Eutrophication, terrestrial	mol Ne	8.92E-02	1,37E-02	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	5,59E-06	MND	MND	0.00E+00	3.68E-09	0.00E+00	1.40E-08	-4.29E-07
Ozone depletion	kg CFC11e	1.20E-08	5,23E-08	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	8,26E-03	MND	MND	0.00E+00	9.10E-05	0.00E+00	1.42E-03	-4.44E-03
Water use	m3e depr.	5.31E-01	1,71E-01	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	1,68E+01	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	1,08E-09	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	2,11E-08	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	4,62E-02	MND	MND	0.00E+00	1.92E-04	0.00E+00	2.24E-02	-2.82E-03
Particulate matter	Incidence	1.78E-07	1,43E-07	MND	MND	0.00E+00	8.43E-10	0.00E+00	1.19E-08	-5.37E-08

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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	3,44E+01	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	5,37E-01	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	5,66E-03	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	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PER abbreviation stands for primary energy resources

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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	2,18E-04	MND	MND	0.00E+00	2.85E-11	0.00E+00	1.39E-09	-3.82E-08
Radioactive waste	kg	1.51E-03	1,12E-05	MND	MND	0.00E+00	1.34E-06	0.00E+00	1.41E-04	-2.36E-05
Non-hazardous waste	kg	1.81E-01	9,75E-04	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	1.78E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	1.47E+01	-1.49E+01
Exported energy thermal	MJ	3.20E-01	0,00E+00	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	7,71E-03	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	3,48E+00	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	3,48E+00	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	3,20E-03	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	1,69E-03	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	4,98E+01	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	2,47E-04	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	1,97E-03	MND	MND	0.00E+00	6.24E-05	0.00E+00	7.48E-04	-2.24E-03
Eutrophication, terrestrial	mol Ne	1.26E-01	1,98E-02	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	8,08E-06	MND	MND	0.00E+00	5.33E-09	0.00E+00	2.03E-08	-6.20E-07
Ozone depletion	kg CFC11e	1.34E-06	7,57E-08	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	1,19E-02	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	2,47E-01	MND	MND	0.00E+00	3.66E-04	0.00E+00	1.68E+00	-2.99E-02

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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	2,44E+01	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	1,56E-09	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	3,05E-08	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	6,68E-02	MND	MND	0.00E+00	2.78E-04	0.00E+00	3.23E-02	-4.08E-03
Particulate matter	Incidence	2.20E-07	2,07E-07	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	4,98E+01	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	7,76E-01	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	8,18E-03	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	0,00E+00	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	0,00E+00	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	3,15E-04	MND	MND	0.00E+00	4.12E-11	0.00E+00	2.01E-09	-5.52E-08
Radioactive waste	kg	2.20E-03	1,62E-05	MND	MND	0.00E+00	1.94E-06	0.00E+00	2.04E-04	-3.42E-05
Non-hazardous waste	kg	6.19E-01	1,41E-03	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.58E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.13E+01	-2.15E+01
Exported energy thermal	MJ	4.62E-01	0,00E+00	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	7,54E-03	MND	MND	0.00E+00	1.43E-04	0.00E+00	2.51E-03	-8.09E-03
Climate change – total	kg CO2e	-4.60E+00	3,41E+00	MND	MND	0.00E+00	7.76E-02	0.00E+00	1.44E+01	-6.54E+00
Climate change – fossil	kg CO2e	9.76E+00	3,40E+00	MND	MND	0.00E+00	7.85E-02	0.00E+00	2.61E-01	-6.54E+00
Climate change – biogenic	kg CO2e	-1.42E+01	3,13E-03	MND	MND	0.00E+00	-1.74E-03	0.00E+00	1.42E+01	-4.18E-03
Climate change – LULUC	kg CO2e	9.78E-03	1,66E-03	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	4,87E+01	MND	MND	0.00E+00	1.00E+00	0.00E+00	3.71E+00	-8.14E+01
Eutrophication, aquatic freshwater	kg PO4e	2.09E-04	2,42E-04	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	1,93E-03	MND	MND	0.00E+00	6.11E-05	0.00E+00	7.32E-04	-2.19E-03
Eutrophication, terrestrial	mol Ne	1.26E-01	1,94E-02	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	7,91E-06	MND	MND	0.00E+00	5.21E-09	0.00E+00	1.98E-08	-6.07E-07
Ozone depletion	kg CFC11e	1.35E-08	7,41E-08	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	1,17E-02	MND	MND	0.00E+00	1.29E-04	0.00E+00	2.01E-03	-6.28E-03
Water use	m3e depr.	7.13E-01	2,42E-01	MND	MND	0.00E+00	3.58E-04	0.00E+00	1.64E+00	-2.93E-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 OILED/UNFINISHED

Impact category	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
Eco-toxicity (freshwater)	CTUe	6.88E+01	2,38E+01	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	1,52E-09	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	2,98E-08	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	6,54E-02	MND	MND	0.00E+00	2.72E-04	0.00E+00	3.16E-02	-3.99E-03
Particulate matter	Incidence	2.35E-07	2,03E-07	MND	MND	0.00E+00	1.19E-09	0.00E+00	1.68E-08	-7.60E-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 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	4,87E+01	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	7,59E-01	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	8,00E-03	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	0,00E+00	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	0,00E+00	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	3,08E-04	MND	MND	0.00E+00	4.03E-11	0.00E+00	1.97E-09	-5.41E-08
Radioactive waste	kg	2.18E-03	1,59E-05	MND	MND	0.00E+00	1.90E-06	0.00E+00	2.00E-04	-3.34E-05
Non-hazardous waste	kg	2.43E-01	1,38E-03	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	0.00E+00	0,00E+00	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	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy electrical	MJ	2.52E-01	0,00E+00	MND	MND	0.00E+00	0.00E+00	0.00E+00	2.08E+01	-2.11E+01
Exported energy thermal	MJ	4.52E-01	0,00E+00	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

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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

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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.



HAVWOODS

CERTIFICATE

TYPE III EPD DECLARATION

(ENVIRONMENTAL PRODUCT DECLARATION)

Reg. No. EPD-P 04.11.2025



This document confirms that the Environmental Product Declaration developed by **Havwoods Limited** for

Italian Collection Double Layered Parquet Flooring

manufactured in accordance with standards:

EN 13489-2023, EN 14342:2013

meets the requirements of standards **EN 15804:2012+A2:2019** and **ISO 14025**, and that the data contained therein has been prepared correctly.

The Declaration was published on November 17, 2025 and is valid until November 17, 2030, or until it is deregistered or its publication on the website www.epd.org.pl is discontinued.

Authenticity of this certificate can be confirmed in the public register at www.epd.org.pl



Izabela Sztamberek-Sochan, Ph.D.
EPD Polska Verifier



Grzegorz Survara
CEO Multicert Sp. z o.o.

Warsaw, November 17, 2025