

Environmental Product Declaration



In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

WOODlife multiplank wood flooring (parquet)

from

NEDlit international, UAB



Programme:	The International EPD System, www.environdec.com
Programme operator:	EPD International AB
Type of EPD:	EPD of multiple products, based on a representative product
EPD registration number:	EPD-IES-0032096:001
Version date:	2026-05-19
Validity date:	2031-05-18
<i>An EPD may be updated or republished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com</i>	



GENERAL INFORMATION

Programme Information	
Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	support@environdec.com

Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): PCR 2019:14 Construction products (EN 15804:A2) (2.0.1.) PCR 2019:14-c-PCR-006 Being updated - Wood and wood-based products for use in construction (EN 16485)
PCR review was conducted by: The Technical Committee of the International EPD System. A full list of members is available on www.environdec.com. The review panel may be contacted via support@environdec.com. Review chair: Rob Rouwette (chair), Noa Meron (co-chair).

Third-party Verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:
☒ Individual EPD verification without a pre-verified LCA/EPD tool Third-party verifier: Mari Kirss, Meetripuu OÜ, mari.kirss@meetripuu.ee Approved by: International EPD System
Procedure for follow-up of data during EPD validity involves third party verifier:
☐ Yes ☒ No

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

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterisation factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

INFORMATION ABOUT EPD OWNER

Owner of the EPD: NEDlit international, UAB

Address: Prienu str. 7, Patasines village, 69104 Marijampoles city gov., Lithuania

Contact: info@woodlife-flooring.com

Address and contact information of the LCA practitioner: BM Certification SIA, Jurkalnes str 15, 310, Riga, Latvia, LV-1046, info@bmcertification.com.

Description of the organisation: WOODlife Flooring designs and manufactures high quality, engineered flooring and matching complementary products. WOODlife Flooring is a Dutch flooring brand with a Lithuania based production facility, which was established in 1993, not long after Lithuania's independence. WOODlife's main sales office is located in the Netherlands.

Product-related or management system-related certifications:

NEDlit international produces floors conform CE standard EN 14342:2005+A1. All products may be acquired with a FSC chain of custody certificate (certificate No. NC-COC-013961).

PRODUCT INFORMATION

Product name: Engineered flooring 16mm and 21mm.

Visual representation of the product:



UN CPC code: 314 – Wood boards and panels.

Product description: Engineered oak floors consisting of a 4 or 6 mm wearlayer and a backing of 12 or 15 mm 100% birch marine plywood. They are offered in a wide range of dimensions. Thicknesses of 16 and 21 mm. Widths from 50 till 380 mm and lengths of 280 till 7500 mm. There are 4 possible wood grades. The product palette features a wide array of finishes, ranging from light and muted tones like Woodlook, Soft white and Sophisticad to rich, darker aesthetics such as Camel, Mature, Coconut and Volcano.

Name and location of production site(s): Nedlit International, Prienu str. 7, Patasines village, 69104 Marijampoles city gov., Lithuania

References to any relevant websites for more information: www.woodlife-flooring.com

CONTENT DECLARATION

Information on the environmental and hazardous/toxic properties of a substances contained in the product: The product does not contain substances that can be included in the "Candidate List of Substances of Very High Concern for Authorisation".

Other information on substances with hazardous and toxic properties: N/A

The table below shows the content declaration of the composition for the 1 m² of engineered floors of this study as the representative scenario results.

Product content	Mass, kg	Post-consumer recycled material, mass-% of product	Biogenic material, mass-% of product	Biogenic material, kg C/product or declared unit
Plywood	8.0	-	100	3.6
Oak	2.2	-	100	1.0
Glue and wax	0.3	-	-	-
TOTAL	10.5	-	-	4.6

Packaging materials	Mass, kg	Mass-% (versus the product)	Biogenic material, kg C/product or declared unit
Plastic	0.07	-	-
Cardboard	0.06	-	0.03
Wood	0.34	-	0.17
TOTAL	0.47	-	0.20

1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO₂.

LCA INFORMATION

Declared unit: 1 m² of two-layer wooden flooring, thickness 16mm. The weight of finished unit is 10,5 kg per m².

Conversion factor to mass: 1m²= 10.5 kg.

Reference service life: ND.

Time representativeness: 2024.

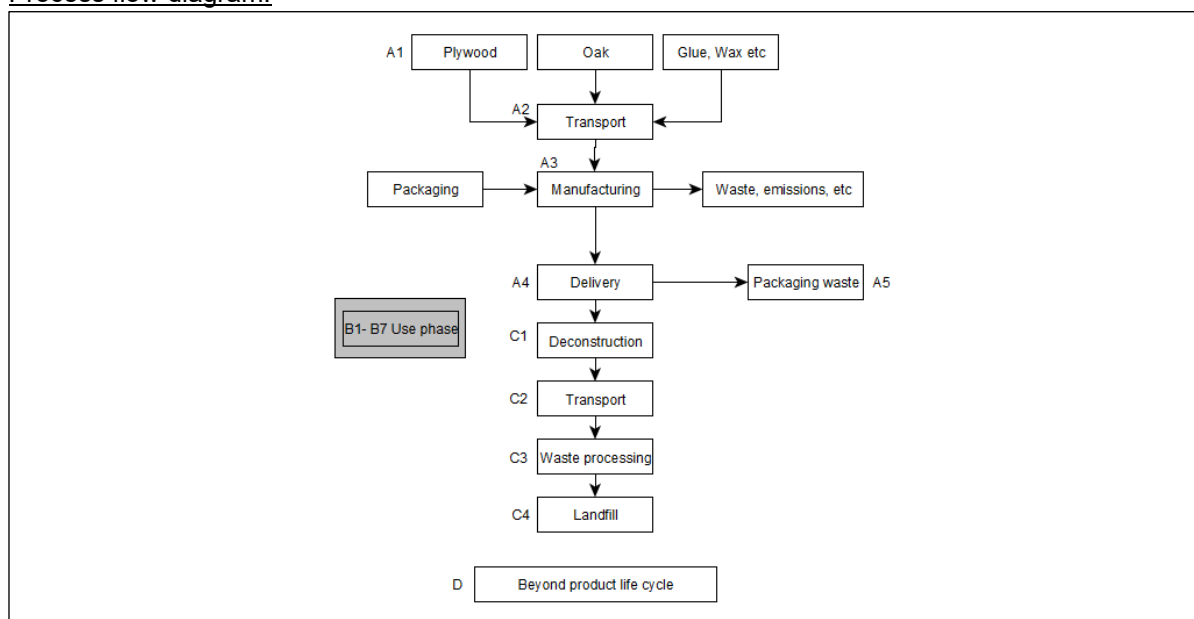
Geographical scope: Europe.

Database(s) and LCA software used: One Click LCA, Ecoinvent 3.11.

Description of system boundaries:

Cradle to gate with options, modules A4, A5, C1–C4, module D (A1–A3, A4, A5, C1–C4, D). The use phase stages are excluded.

Process flow diagram:



The manufacturing process of engineered oak floors involves selecting oak and birch plywood, cutting and drying the planks, adhering layers (with a 4 mm or 6 mm wear layer of oak on the plywood), sanding the surface, and applying a protective finish. Quality control ensures that each batch meets standards, after which the planks are sorted, labeled, and packaged with protective wrapping in sturdy cardboard boxes, stacked on pallets for transport, and prepared with documentation including invoices and product specifications.

More information:

All relevant inputs and outputs from each unit process that have available data are considered in the calculation. No single unit process is disregarded if it accounts for more than 1% of the total mass or energy flows. Additionally, the total neglected input and output flows for each module do not surpass 5% of the energy usage or mass. Allocation to representing product was made based on product area (m²). Co products as steel and aluminium scrap are considered as negligible and allocated no environmental burden. The option B to calculate the primary energy indicators is used.

EN 15804 reference package EF 3.1.

Cut-off criteria: The <1% due difficulties to attributing and minor environmental impacts.

Allocation: In this study, as per EN 15804, allocation is conducted in the following order:

1. Allocation should be avoided.
2. Allocation should be based on physical properties (e.g. mass, volume) when the difference in revenue is small.

The allocations in the Ecoinvent 3.11 datasets used in this study follow the Ecoinvent system model 'Allocation, cut-off, EN15804'.

Electricity climate impact: Lithuania residual electricity mix on the market - 0.69 kg CO₂ eq./kWh (65%), Electricity production, photovoltaic – 0.0947 kg CO₂ eq./kWh (35%).

Explanation of assumptions regarding modules A4, A5, C and D:

A4: Transport scenarios include EURO 5 truck transport for 100km. The transport scenarios included are currently in use and are representative of one of the most probable alternatives.

A5: The energy consumption of installation is considered negligible, and module A5 includes packaging utilisation (100% recycled).

B: The use stage (Modules B1–B7) is not declared within this EPD. A reference service life cannot be established as the product's end-use applications are highly diverse, and its performance depends significantly on the specific context of installation and building operation. Air, soil, and water impacts during the use phase have not been studied.

C1: Deconstruction assumed negligible.

C2: Transport to waste treatment site after dismantling using a EURO 5 truck 50km.

C3: The 90% of the wood waste undergoes a pre-treatment process involving chipping prior to its incineration for energy recovery as a secondary fuel.

C4: Assumed as 10% of wood goes to landfill.

D: Modelled as 100% of the packaging (GWP-GHG share in D 1.7%) and wood 95% are incinerated with energy recovery.

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

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage				Beyond product life cycle
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling- potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	EU	EU	EU	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU	EU
Share of primary data	63.7%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	+16%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	N/A			-	-	-	-	-	-	-	-	-	-	-	-	-	-

Modules/processes/life-cycle stages declared noted with “X”.

Modules/processes/life-cycle stages not declared marked as “ND”.

Not applicable “N/A”.

Declaration of data sources, reference years, data categories, and share of primary data:

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3	Share of process on GWP-GHG results for A1-A3
Plywood	Collected data	Ecoinvent v3.11	2024	Primary data	0%	23.8%
Oak and glue	Database	Ecoinvent v3.11	2024	Primary data	0%	9.5%
Transport	Database	Ecoinvent v3.11	2024	Primary data	14.4%	14.4%
Generation of electricity used in manufacturing of product	Database	Ecoinvent v3.11	2024	Primary data	36.8%	36.8%
Energy carriers used in the manufacturing of the product	Database	Ecoinvent v3.11	2024	Primary data	12.5%	12.5%
Packaging	Databases	Ecoinvent v3.11	2024	Secondary data	0%	3.0%
Total					63.7%	100%

The share of primary data is calculated based on GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant aspects of data quality and is not comparable across product categories.

Quality of data: The quality of the data has been assessed according to EN 15804:2012+A2:2019, Annex E, and EN 15941. The EPD covers two-layer wooden flooring manufactured in 2024. Primary data was collected directly from the manufacturer and suppliers, while background data was sourced from Ecoinvent v3.11:

- Technological Representativeness (TeR) – Good,
- Geographical Representativeness (GeR) – Fair,
- Temporal Representativeness (TiR) –Very good.

The individual data quality is rated between “very good” and “fair”. No datasets assessed were rated “very poor”.

ENVIRONMENTAL PERFORMANCE

LCA results of the two-layer wooden flooring thickness 16 mm - main environmental performance results

The effect of the infrastructure involved in the production of raw material, transport means, and energy was included as it was not possible to exclude them. Characterization factors of EN15804 are based on EF 3.1.

Mandatory impact category indicators according to EN 15804

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-total	kg CO ₂ eq.	1.24E+00	1.19E-01	6.41E-01	0.00E+00	5.68E-02	1.59E+01	1.75E+00	1.34E+02
GWP-fossil	kg CO ₂ eq.	1.71E+01	1.19E-01	2.56E-02	0.00E+00	5.67E-02	2.11E-01	1.15E-02	-4.06E+00
GWP-biogenic	kg CO ₂ eq.	-1.59E+01	2.69E-05	6.16E-01	0.00E+00	1.29E-05	1.56E+01	1.74E+00	1.38E+02
GWP-luluc	kg CO ₂ eq.	4.41E-02	5.31E-05	5.57E-05	0.00E+00	2.54E-05	2.29E-04	6.86E-06	-3.82E-03
ODP	kg CFC 11 eq.	5.88E-07	1.75E-09	3.21E-10	0.00E+00	8.38E-10	2.69E-09	2.90E-10	-3.65E-08
AP	mol H ⁺ eq.	1.27E-01	4.04E-04	1.26E-04	0.00E+00	1.93E-04	1.86E-03	8.00E-05	-2.31E-02
EP-freshwater	kg P eq.	6.31E-03	9.23E-06	6.29E-06	0.00E+00	4.42E-06	1.25E-04	9.06E-06	-2.20E-03
EP-marine	kg N eq.	4.66E-02	1.33E-04	4.73E-05	0.00E+00	6.36E-05	8.72E-04	3.74E-04	2.79E-03
EP-terrestrial	mol N eq.	4.95E-01	1.45E-03	4.41E-04	0.00E+00	6.92E-04	8.32E-03	3.34E-04	2.32E-02
POCP	kg NMVOC eq.	1.40E-01	5.96E-04	1.49E-04	0.00E+00	2.85E-04	2.13E-03	1.38E-04	2.30E-03
ADP-minerals&metals*	kg Sb eq.	1.25E-04	3.31E-07	1.15E-07	0.00E+00	1.58E-07	4.67E-07	2.18E-08	-4.21E-07
ADP-fossil*	MJ	2.79E+02	1.72E+00	3.34E-01	0.00E+00	8.23E-01	2.80E+00	2.56E-01	-6.28E+01
WDP*	m ³	1.32E+01	8.50E-03	3.94E-03	0.00E+00	4.07E-03	3.58E-01	1.12E-02	2.17E+00
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption								

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

The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.

The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A5).

The biogenic carbon is calculated used '-1/+1' Approach: Biogenic Carbon Uptake: A negative value in the production stages (A1-A5) that quantifies the amount of carbon stored in the packaging.

LCIA results includes infrastructure processes embedded in the generic LCI datasets used in modeling the entire life cycle of our products (A1-C4), which may include manufacturing, transportation and energy infrastructure plants outside Nedlit UAB direct control. Infrastructure processes of Nedlit UAB manufacturing plants are excluded.

Additional mandatory and voluntary impact category indicators

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-GHG ¹	kg CO ₂ eq.	1.71E+01	1.19E-01	2.57E-02	0.00E+00	5.68E-02	2.11E-01	1.15E-02	-4.06E+00

Resource use indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	MJ	3.57E+02	2.36E-02	4.30E+00	0.00E+00	1.13E-02	-1.60E+02	1.79E+01	-1.62E+03
PERM	MJ	1.72E+02	0.00E+00	-4.04E+00	0.00E+00	0.00E+00	-1.28E+02	0.00E+00	1.60E+03
PERT	MJ	5.29E+02	2.36E-02	2.59E-01	0.00E+00	1.13E-02	-2.88E+02	1.79E+01	-1.36E+01
PENRE	MJ	2.45E+02	1.72E+00	2.81E+00	0.00E+00	8.23E-01	2.80E+00	2.56E-01	-6.18E+01
PENRM	MJ	3.43E+01	0.00E+00	-7.11E+00	0.00E+00	0.00E+00	-2.45E+01	0.00E+00	-7.85E-01
PENRT	MJ	2.79E+02	1.72E+00	-4.30E+00	0.00E+00	8.23E-01	-2.16E+01	2.56E-01	-6.26E+01
SM	kg	1.59E-01	7.33E-04	3.79E-04	0.00E+00	3.50E-04	3.69E-03	8.80E-05	6.51E-02
RSF	MJ	2.11E-01	9.31E-06	4.13E-06	0.00E+00	4.45E-06	1.11E-05	1.77E-06	-5.75E-04
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	2.85E-01	2.54E-04	8.80E-05	0.00E+00	1.22E-04	2.80E-03	-3.90E-03	-8.97E-03
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water								

¹ This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO₂ is set to zero.

Waste indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HW	kg	1.85E+00	2.92E-03	1.66E-03	0.00E+00	1.39E-03	6.57E-02	4.20E-04	2.03E-01
NHW	kg	3.60E+01	5.40E-02	4.69E-02	0.00E+00	2.58E-02	1.01E+01	2.78E+00	8.33E+01
RW	kg	6.00E-04	3.67E-07	3.43E-07	0.00E+00	1.76E-07	1.10E-05	5.04E-08	-2.28E-04
Acronyms	HW = Hazardous waste disposed; NHW = Non-hazardous waste disposed; RW = Radioactive waste disposed								

Output flow indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	4.65E-01	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	0.00E+00	0.00E+00	0.00E+00	9.98E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

The estimated impact results are only relative statements, which do not indicate the endpoint of the impact categories, exceeding threshold values, safety margins and/or risks.

Disclaimer: it is not encouraged to use the results of modules A1-A3 without taking into account the results of module C.

The results of the impact categories abiotic depletion of minerals and metals, land use, human toxicity (cancer), human toxicity, non cancer and ecotoxicity (freshwater) may be highly uncertain in LCAs that include capital goods/infrastructure in generic datasets, in case infrastructure/capital goods contribute greatly to the total results. This is because the LCI data of infrastructure/capital goods used to quantify these indicators in currently available generic datasets sometimes lack temporal, technological and geographical representativeness. Caution should be exercised when using the results of these indicators for decision-making purposes.

Additional impact category indicators

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
Particulate matter emissions	Disease incidence	2.27E-06	1.19E-08	4.50E-09	0.00E+00	5.68E-09	1.87E-08	1.85E-09	-1.89E-07
Ionising radiation, human health *	kBq U-235eq	2.29E+00	1.50E-03	1.40E-03	0.00E+00	7.17E-04	4.29E-02	2.06E-04	-8.49E+00
Eco-toxicity (freshwater) **	CTUe	5.58E+02	2.43E-01	5.16E+00	0.00E+00	1.16E-01	5.26E+00	3.54E-01	-1.13E+02
Human toxicity, cancer effects	CTUh	6.37E-08	1.96E-11	2.88E-11	0.00E+00	9.36E-12	2.89E-10	2.90E-12	8.78E-11
Human toxicity, non-cancer effects	CTUh	3.20E-07	1.11E-09	4.48E-10	0.00E+00	5.33E-10	1.90E-08	2.14E-10	1.49E-07
Land use related impacts/ Soil quality	dimensionless	2.40E+03	1.73E+00	2.67E-01	0.00E+00	8.29E-01	5.91E-01	6.06E-01	-3.31E+01

* 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

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

LCA results of the product - alternative end-of-life scenarios

In accordance with PCR 2019:14 v2.0.1, Section 4.8.4, if the declared end-of-life scenario is a mix of alternatives, the corresponding 100% scenarios shall also be declared. The reference end-of-life scenario assumes that 95% of wood is sent to recycling.

		Landfill				Incineration			
		C2	C3	C4	D	C2	C3	C4	D
GWP-GHG	kg CO2 eq.	5.68E-02	0.00E+00	1.15E-01	0.00E+00	5.67E-02	7.37E-02	0.00E+00	-4.51E+00
		C2	C3	C4	D	C2	C3	C4	D
GWP-total	kg CO2 eq.	5.68E-02	0.00E+00	1.75E+01	0.00E+00	5.67E-02	1.59E+01	0.00E+00	1.49E+02
GWP-fossil	kg CO2 eq.	5.68E-02	0.00E+00	1.15E-01	0.00E+00	5.67E-02	7.35E-02	0.00E+00	-4.51E+00
GWP-biogenic	kg CO2 eq.	1.29E-05	0.00E+00	1.74E+01	0.00E+00	1.28E-05	1.59E+01	0.00E+00	1.54E+02
GWP-luluc	kg CO2 eq.	2.54E-05	0.00E+00	6.86E-05	0.00E+00	2.54E-05	2.09E-04	0.00E+00	-4.27E-03
ODP	kg CFC-11 eq.	8.38E-10	0.00E+00	2.90E-09	0.00E+00	8.38E-10	1.18E-09	0.00E+00	-4.06E-08
AP	mol H+ eq.	1.93E-04	0.00E+00	8.00E-04	0.00E+00	1.94E-04	3.62E-04	0.00E+00	-2.56E-02
EP-freshwater	kg P eq.	4.42E-06	0.00E+00	9.06E-05	0.00E+00	4.42E-06	6.57E-05	0.00E+00	-2.44E-03
EP-marine	kg N eq.	6.36E-05	0.00E+00	3.74E-03	0.00E+00	6.36E-05	6.54E-05	0.00E+00	3.10E-03
EP-terrestrial	mol N eq.	6.92E-04	0.00E+00	3.34E-03	0.00E+00	6.92E-04	5.69E-04	0.00E+00	2.58E-02
POCP	kg NMVOC eq.	2.86E-04	0.00E+00	1.38E-03	0.00E+00	2.85E-04	1.84E-04	0.00E+00	2.59E-03
ADP-minerals&metals*	kg Sb eq.	1.58E-07	0.00E+00	2.18E-07	0.00E+00	1.58E-07	1.81E-07	0.00E+00	-4.91E-07
ADP-fossil*	MJ, net calorific value	8.24E-01	0.00E+00	2.56E+00	0.00E+00	8.23E-01	1.66E+00	0.00E+00	-6.95E+01
WDP*	m3 world eq. deprived	4.06E-03	0.00E+00	1.12E-01	0.00E+00	4.06E-03	4.47E-02	0.00E+00	2.40E+00
		C2	C3	C4	D	C2	C3	C4	D
PERE	MJ, net calorific value	1.13E-02	0.00E+00	1.79E+02	0.00E+00	1.13E-02	3.69E-01	0.00E+00	-1.80E+03
PERM	MJ, net calorific value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+03
PERT	MJ, net calorific value	1.13E-02	0.00E+00	1.79E+02	0.00E+00	1.13E-02	3.69E-01	0.00E+00	-1.50E+01
PENRE	MJ, net calorific value	8.24E-01	0.00E+00	2.56E+00	0.00E+00	8.24E-01	1.66E+00	0.00E+00	-6.85E+01
PENRM	MJ, net calorific value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E-01
PENRT	MJ, net calorific value	8.24E-01	0.00E+00	2.56E+00	0.00E+00	8.24E-01	1.66E+00	0.00E+00	-6.93E+01
SM	kg	3.50E-04	0.00E+00	8.80E-04	1.55E+01	3.50E-04	7.13E-04	0.00E+00	6.99E-02
RSF	MJ, net calorific value	4.46E-06	0.00E+00	1.77E-05	5.67E-05	4.46E-06	1.23E-06	0.00E+00	5.97E-05
NRSF	MJ, net calorific value	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m3	1.22E-04	0.00E+00	-3.90E-02	-1.06E+00	1.22E-04	1.02E-03	0.00E+00	-1.12E+00
		C2	C3	C4	D	C2	C3	C4	D
HWD	kg	1.39E-03	0.00E+00	4.20E-03	0.00E+00	1.78E-02	4.79E-03	0.00E+00	2.25E-01
NHWD	kg	2.58E-02	0.00E+00	2.78E+01	0.00E+00	3.29E-01	3.32E-01	0.00E+00	9.26E+01
RWD	kg	1.76E-07	0.00E+00	5.04E-07	0.00E+00	2.24E-06	1.18E-05	0.00E+00	-2.54E-04
		C2	C3	C4	D	C2	C3	C4	D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E+01	0.00E+00	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C2	C3	C4	D	C2	C3	C4	D
Particulate matter emissions	Disease incidence	5.68E-09	0.00E+00	1.85E-08	0.00E+00	5.68E-09	1.62E-09	0.00E+00	-2.10E-07
Ionising radiation, human health	kBq U-235eq	7.18E-04	0.00E+00	2.06E-03	0.00E+00	7.18E-04	4.60E-02	0.00E+00	-8.99E+00
Eco-toxicity (freshwater)	CTUe	1.16E-01	0.00E+00	3.54E+00	0.00E+00	1.16E-01	1.88E+00	0.00E+00	-1.25E+02
Human toxicity, cancer effects	CTUh	9.36E-12	0.00E+00	2.90E-11	0.00E+00	9.36E-12	1.62E-11	0.00E+00	2.00E-10
Human toxicity, non-cancer effects	CTUh	5.34E-10	0.00E+00	2.14E-09	0.00E+00	5.34E-10	5.88E-10	0.00E+00	1.66E-07
Land use related impacts/ Soil quality	dimensionless	8.30E-01	0.00E+00	6.06E+00	0.00E+00	8.30E-01	2.49E-01	0.00E+00	-3.64E+01

VARIATION (WORST-CASE) LCA RESULTS OF THE TWO-LAYER WOODEN FLOORING 21MM - ENVIRONMENTAL PERFORMANCE RESULTS

The effect of the infrastructure involved in the production of raw material, transport means, and energy was included as it was not possible to exclude them. Characterization factors of EN15804 are based on EF 3.1.

Results per functional or declared unit									
Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-total , kg CO ₂ eq.		-299%	29%	0%	0%	31%	31%	31%	39%
GWP-fossil, kg CO ₂ eq.		16%	29%	0%	0%	31%	31%	31%	38%
GWP-biogenic, kg CO ₂ eq.		41%	29%	0%	0%	31%	31%	31%	39%
GWP-luluc, kg CO ₂ eq.		23%	29%	0%	0%	31%	31%	31%	43%
ODP, kg CFC 11 eq.		10%	29%	0%	0%	31%	31%	31%	38%
AP, mol H ⁺ eq.		13%	29%	0%	0%	31%	31%	31%	38%
EP-freshwater, kg P eq.		12%	29%	0%	0%	31%	31%	31%	39%
EP-marine, kg N eq.		13%	29%	0%	0%	31%	31%	31%	40%
EP-terrestrial, mol N eq.		13%	29%	0%	0%	31%	31%	31%	41%
POCP, kg NMVOC eq.		16%	29%	0%	0%	31%	31%	31%	56%
ADP-minerals&metals*, kg Sb eq.		9%	29%	0%	0%	31%	31%	31%	65%
ADP-fossil*, MJ		17%	29%	0%	0%	31%	31%	31%	36%
WDP*, m ³		17%	29%	0%	0%	31%	31%	31%	37%
GWP-GHG , kg CO ₂ eq.		16%	29%	0%	0%	31%	31%	31%	38%
PERE, MJ, net calorific value		26%	29%	0%	0%	31%	31%	31%	39%
PERM, MJ, net calorific value		17%	0%	0%	0%	0%	31%	0%	39%
PERT, MJ, net calorific value		23%	29%	0%	0%	31%	31%	31%	36%
PENRE, MJ, net calorific value		17%	29%	0%	0%	31%	31%	31%	36%
PENRM, MJ, net calorific value		17%	0%	0%	0%	0%	0%	0%	0%
PENRT, MJ, net calorific value		17%	29%	0%	0%	31%	31%	31%	36%
SM, kg		12%	29%	0%	0%	31%	31%	31%	13%
RSF, MJ, net calorific value		0%	29%	0%	0%	31%	31%	31%	-4%
NRSF, MJ, net calorific value		0%	0%	0%	0%	0%	0%	0%	0%
FW, m ³		18%	29%	0%	0%	31%	31%	31%	26%
HWD, kg		15%	29%	0.00	0.00	31%	31%	31%	37%
NHWD, kg		12%	29%	0.00	0.00	31%	31%	31%	39%
RWD, kg		16%	29%	0.00	0.00	31%	31%	31%	37%
Components for re-use, kg		0%	0%	0%	0%	0%	0%	0%	0%
Material for recycling, kg		0%	0%	0%	0%	0%	0%	0%	0%
Materials for energy recovery, kg		0%	0%	0%	0%	0%	31%	0%	0%
Exported energy, electricity, MJ		0%	0%	0%	0%	0%	0%	0%	0%
Exported energy, thermal, MJ		0%	0%	0%	0%	0%	0%	0%	0%
Particulate matter emissions, Disease incidence		22%	29%	0%	0%	31%	31%	31%	38%
Ionising radiation, human health**, kBq U-235eq		16%	29%	0%	0%	31%	31%	31%	4%
Eco-toxicity (freshwater)***, CTUe		3%	29%	0%	0%	31%	31%	31%	39%
Human toxicity, cancer effects, CTUh		18%	29%	0%	0%	31%	31%	31%	-829%
Human toxicity, non-cancer effects, CTUh		11%	29%	0%	0%	31%	31%	31%	39%
Land use related impacts/ Soil quality, dimensionless		31%	29%	0%	0%	31%	31%	31%	31%
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water HW = Hazardous waste disposed; NHW = Non-hazardous waste disposed; RW = Radioactive waste disposed								

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

*** 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*

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

The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.

The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A5).

The biogenic carbon is calculated used '-1/+1' Approach: Biogenic Carbon Uptake: A negative value in the production stages (A1-A5) that quantifies the amount of carbon stored in the packaging.

LCIA results includes infrastructure processes embedded in the generic LCI datasets used in modeling the entire life cycle of our products (A1-C4), which may include manufacturing, transportation and energy infrastructure plants outside Nedlit UAB direct control. Infrastructure processes of Nedlit UAB manufacturing plants are excluded.

ABBREVIATIONS

Abbreviation	Definition
General Abbreviations	
EN	European Norm (Standard)
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
eq	equivalent
CPC	Central product classification
ND	Not Declared
EPDM	Ethylene Propylene Diene Monomer

REFERENCES

General Programme Instructions of the International EPD® System. Version 5.0.

PCR 2019:14 Construction products, version 2.0.1, 2025-06-05.

ISO 14020:2023 Environmental statements and programs for products. Principles and general requirements.

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 of construction works - Environmental product declarations - Core rules for the product category of construction products.

EN 15941:2024 Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data

LCA background report 17.12.2025.

Data references:

One Click LCA

Ecoinvent 3.11 database

VERSION HISTORY:

Original version of the EPD, 2026-05-19

