ENVIRONMENTAL PRODUCT DECLARATION

as per *ISO 14025* and *EN 15804+A2*

Owner of the Declaration	Linex Panneaux SAS
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-LNX-20250362-CBA1-EN
Issue date	14.10.2025
Valid to	13.10.2030

Wood/flax particleboard

Linex Panneaux SAS

Institut Bauen und Umwelt e.V.

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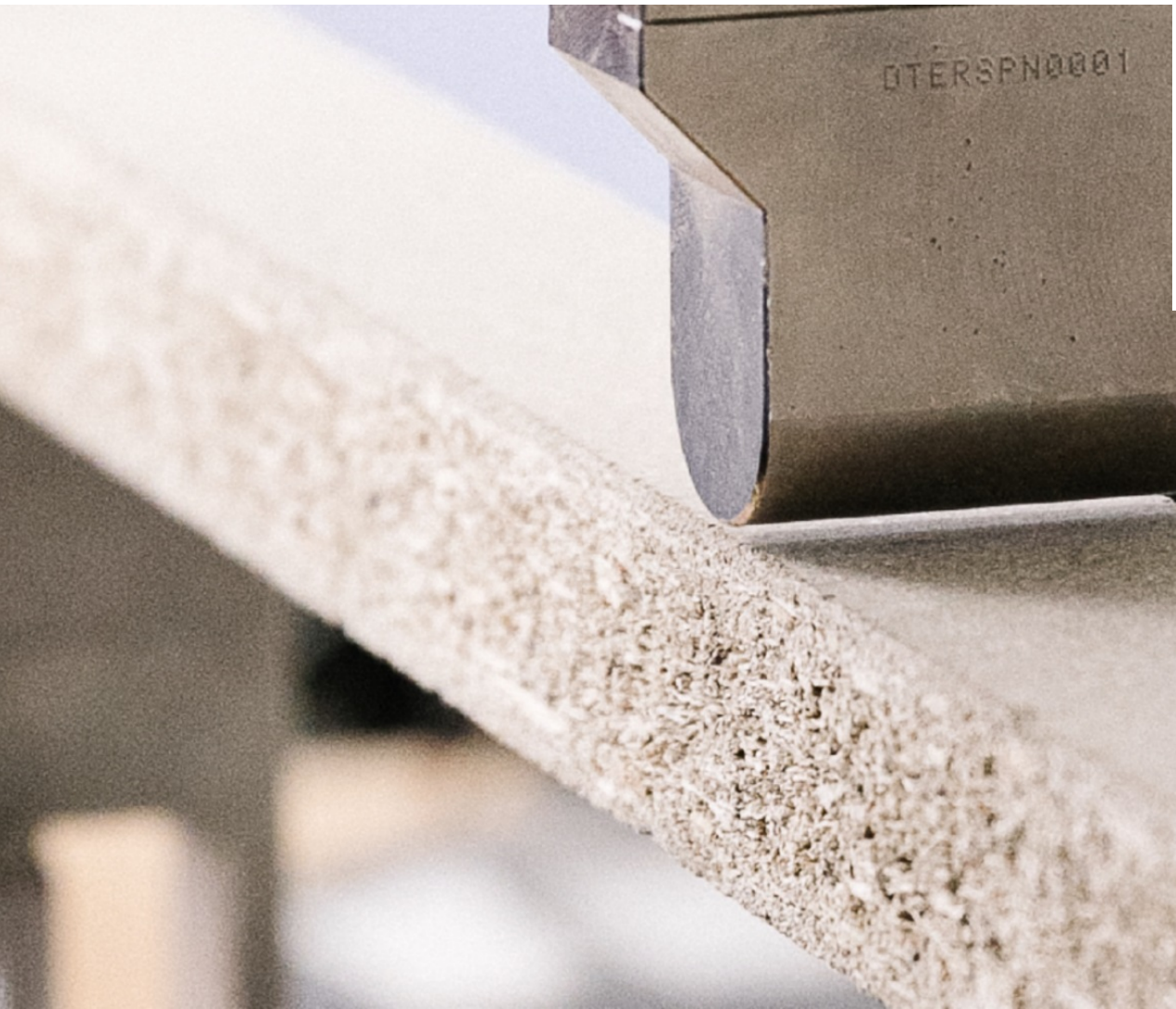

General Information

Linex Panneaux SAS

Programme holder

IBU – Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
Germany

Declaration number

EPD-LNX-20250362-CBA1-EN

This declaration is based on the product category rules:

Wood-based panels, 01.08.2021
(PCR checked and approved by the SVR)

Issue date

14.10.2025

Valid to

13.10.2030

Dipl.-Ing. Hans Peters
(Chairman of Institut Bauen und Umwelt e.V.)

Florian Pronold
(Managing Director Institut Bauen und Umwelt e.V.)

Wood/flax particleboard

Owner of the declaration

Linex Panneaux SAS
ZA Caux Multipôles Le Poteau -
76190 Allouville-Bellefosse
France

Declared product / declared unit

1 m^3 of Linex wood/flax particleboard with an average density of 466 kg/m^3

Scope:

This environmental product declaration is an average EPD, covering:

- Linex wood/flax particleboard with a high content of flax, with a density of 400 kg/m^3 and a thickness varying between 27 mm and 50 mm with an average of 33,5 mm,
- Linex wood/flax particleboard with a low content of flax, with a density of 500 kg/m^3 and a thickness varying between 25 mm and 58 mm with an average of 38 mm

The declared values represent 100 % of the Linex wood/flax particleboard production by Linex Panneaux SAS at its production site in Allouville-Bellefosse/FR.
The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

The EPD was created according to the specifications of EN 15804+A2. In the following, the standard will be simplified as *EN 15804*.

Verification

The standard EN 15804 serves as the core PCR
Independent verification of the declaration and data according to ISO 14025:2011
☐ internally ☒ externally

Dr Naeem Adibi,
(Independent verifier)

Product

Product description/Product definition

Particleboard is made of particles or chips of wood and flax. The wood used comes from secondary raw materials for recycling (chips from the shredding of wood waste), from round wood (pulpwood, branches, decommissioned logs), and by products (chips, wood chips) generated by other woodworking industries (sawmills, joinery, furniture factories, etc.), as well as secondary raw materials for recycling (chips from the shredding of wood waste). The particles are assembled together using a binder (urea formaldehyde resin or melamine urea formaldehyde resin). The board is made of three layers, the largest being used to make up the core of the panel and the finest to make up the faces to give it a smooth appearance.

The characteristics of particleboard are specified by the standard *EN 312*.
The characteristics of lightweight particle boards are specified in *TS EN 16368:2014*.

The *EN 322* standard regulates the moisture content of particleboard placed on the market between 5 % and 13 % calculated on a dry basis.

The particularity of the panel under study is the presence of flax shives in the inner layer to partially replace the wood chips. Linex produces two main types of flax-containing panel:

- panels with a high content of flax, with a density of 400 kg/m^3 and a thickness varying between 27 mm and 50 mm with an average of 33.5 mm,
- panels with a low content of flax, with a density of 500 kg/m^3 and a thickness varying between 25 mm and 58 mm with an average of 38 mm.

For the placing on the market in the European Union/European Free Trade Association (EU/EFTA) (with the exception of Switzerland), *Regulation (EU) 305/201*1 applies. When applicable, the products need a Declaration of Performance (DOP) taking into consideration *EN 13986+A1, Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking* and the CE--marking.
For the application and use the respective national provisions apply.

Application

Particleboard is used as a wood-based material in many areas and is used in the furniture industry (work tops and table tops), in construction (door core) and for interior fittings.

Technical Data

Constructional data

Name	Value	Unit
Gross density	400 - 500	kg/m^3
Bending strength (longitudinal) acc. to EN 310	2 - 10	N/mm^2
E-module (longitudinal) acc. to EN 310	400 - 2000	N/mm^2
Material dampness at delivery	5 - 10	%
Thermal conductivity	not relevant	W/(mK)
Water vapour diffusion resistance factor	not relevant	-
Sound absorption	not relevant	%
Formaldehyde emissions acc. to EN 717-1	E1 ; E0.5	µg/m^3
Formaldehyde emissions acc. to ASTM D6007	Carb-P2	-

Performance data of the product in accordance with the declaration of performance with respect to its essential characteristics according to:

- *EN 312, Particleboards – Specifications*
- *EN 13986+A1, Wood-based panels for use inconstruction – Characteristics, evaluation of conformity and marking.*

Base materials/Ancillary materials

The chipboard is made up of flax shives, recycled wood and fresh wood.
Recycled wood consists mainly of post-consumer wood waste from the furniture and construction sectors. Recycled wood is sorted and crushed at a sorting facility. It is then further sorted and refined at the Linex plant. Flax shives are obtained as an agricultural by-product from flax crops produced locally and dedicated to fibre production. Fresh wood includes sawdust and industrial wood, which is harvested within a radius of 150 km of the plant. Linex panneaux promotes sustainable forest management and is certified PEFC (N° certificate : *BVFR-PEFC-COC-1799504*) and FSC (N° certificate *BV-COC-027746/BV-CW-027746*).
The declared wood/flax particleboard consists of the following main components:

Name	Value	Unit
Recycled wood, oven-dry	23 – 25	%
Fresh wood, oven-dry	27 – 30	%
flax shives, oven-dry	30 – 35	%
glue and coloring agents	8	%
water	7	%

1) This product/article/at least one partial article contains substances listed in the *ECHA candidate list* (date: 07/11/2024) exceeding 0.1 percentage by mass:

- no.

Reference service life

The reference service life (RSL) of the products is estimated to be 50 years, based on the conditions of use and properties declared in clause "LCA".

LCA: Calculation rules

Declared Unit

1 m^3 of Linex wood/flax particleboard with an average density of 466 kg/m^3 is declared.

Declared unit and mass reference

Name	Value	Unit
Declared unit	1	m^3
Density	466	kg/m^3
Layer thickness	0.025 - 0.058	m

The average has been calculated based on the total production volume in tonnes, whereas the declared product represents an average density of 466 kg/m^3 as resulting from the calculations for the corresponding FDES.
As a first-order approximation, values to other surface weights can be scaled linearly.

System boundary
Type of the EPD: "cradle to gate with options, modules C1–C4, and module D (A1–A3, C, D and additional modules. The additional modules may be A4 and/or A5 and/or B1–B7)".

Modules A1 – A3 of the production stage cover the manufacturing of the products, including raw material extraction of wood and flax shives and their processing, energy generation, the production of ancillary products and packaging materials, transport, as well as all waste treatment processes. Eventual benefits of recycling or energy recovery are neglected.
The resource aspects of wood were inventoried via material-inherent properties such as resource extraction of CO_2 from the atmosphere and the lower heating value as the use of renewable primary energy. Material-inherent properties are subject to co-product allocation as ruled in *EN 15804*.

Module A4 covers the transport of 1 m^3 of panel (466 kg/m^3) to a construction site in Frankfurt.

In **Module A5**, the products are delivered to the construction site and installed manually. Minor impacts from installation, e.g. related to installation waste, the production of screws or nails, or related to the use of electricity-driven screwdrivers are considered too variable and depending on the specific use to be included in the EPD.
The packaging material – PE-sheets and particleboard stringers – are transported to a municipal waste incineration plant (MWIP) and incinerated. Exported heat and electricity are considered in module D.

The products are assumed to have no direct emissions during the use phase. Hence, **modules B1 to B7** are not declared for being optional.
Two alternative end-of-life scenarios are declared:

- use of the recovered particleboard as secondary fuel (default scenario)
- use of the recovered particleboad as secondary material (scenario 1)

In **module C1**, minor impacts from de-installation, e.g., related to the use of electro-powered screwdrivers, can be considered insignificant in the light of the total environmental impacts across the life cycle.

In **module C2**, the recovered particleboard is then transported to a biomass incineration plant for energy recovery or to a particleboard production plant, where it is shredded and used as a secondary fuel for energy recovery (module D) or as a secondary material (module D_1).

In **module C3**, the particleboard is shredded and sorted. After shredding and sorting, the particleboard reaches the end-of-waste state and leaves the product system as secondary fuel or secondary material.

Module C4 is not relevant for the declared end-of-life scenario.

Module D contains the benefits and loads beyond the system boundary related to the energy recovery from plastic and wooden wastes in a Municipal Waste Incineration Plant (MWIP) as modelled in module A5 for packaging and related to the incineration and energy recovery from particleboard as a secondary fuel in module D.

Module D1 contains the benefits and loads beyond the system boundary related to the energy recovery from plastic and wooden wastes in a Municipal Waste Incineration Plant (MWIP), as modelled in module A5 for packaging and related to the recycling of particleboard as a secondary material in module D1.

Only net flows leaving the product system can be considered in module D. As no post-consumer wood is used for the direct generation of energy (but only as a raw material input), 100 % of the recovered energy are considered in module D in line with *IBU PCR part A,* and are reported as the use of renewable (RSF) and non-renewable secondary fuel (NRSF).
For the case of recycling (module D1), 46 % of recycled wood input are not considered for the quantification of module D1; the net recycled amount of recycled wood entering module D1 is reported as use of secondary material (SM).

Geographic Representativeness
Land or region, in which the declared product system is manufactured, used or handled at the end of the product´s lifespan: Europe

Comparability
Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to *EN 15804* and the building context, respectively the product-specific characteristics of performance, are taken into account.
ecoinvent v3.10 with the system model "cut-off by classification" has been used exclusively as background database for the modelling of the modules A4 to D.
Results of the modelling of the production stage from *FCBA (2024)* using *ecoinvent v3.10* are taken unmodified and imported as cumulated life cycle inventory. Apart from practical reasons, this is also done to include the specificities of flax production in Northern France, for which a French database ('Agribalyse') could be accessed by the authors.

LCA: Scenarios and additional technical information

Characteristic product properties of biogenic carbon

Information on describing the biogenic carbon content at factory gate

Name	Value	Unit
Biogenic carbon content in product	197	kg C
Biogenic carbon content in product	722	kg CO2
Biogenic carbon content in accompanying packaging	1.62	kg C
Biogenic carbon content in accompanying packaging	5.94	kg CO2

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

Module A4

Module A4 covers the transport of 1 m^3 of panel (466 kg/m^3) and its packaging (3.84 kg/m^3) from the production site at Allouville-Bellefosse/FR to Frankfurt/DE over 740 km with a lorry, emissions class EURO 6 and a total weight of > 32 t.

Module A5

The packaging material – PE-sheets and particleboard stringers – are transported over 50 km to a municipal waste incineration plant (MWIP) and incinerated.

Reference service life

Name	Value	Unit
Reference service life (according to ISO 15686-1, -2, -7 and -8)	50	a
Declared product properties (at the gate) and finishes	The design and manufacture comply with the meaning of the NF EN 312 standard approved by a technical opinion or similar.	-
Design application parameters (if instructed by the manufacturer), including the references to the appropriate practices and application codes	The use of the product is assumed to be in accordance with the manufactur-er's recommendations.The implementation is considered to comply with the manufacturer's specifications.	-
An assumed quality of work, when installed in accordance with the manufacturer’s instructions	The implementation is considered to comply with the manufacturer's specifications	-
Outdoor environment, (for outdoor applications), e.g. weathering, pollutants, UV and wind exposure, building orientation, shading, temperature	The panel is not suitable for external use.	-
Indoor environment (for indoor applications), e.g. temperature, moisture, chemical exposure	It must be used in dry environment. Dry environment corresponds to use class 1 within the meaning of EN 335.	-
Usage conditions, e.g. frequency of use, mechanical exposure	The use of the product is assumed to be in accordance with the manufactur-er's recommendations.	-
Maintenance e.g. required frequency, type and quality and replacement of components	No maintenance is required during the service life.	-

End of life (C1-C4)

Name	Value	Unit
Collected separately waste type (wood waste)	466	kg
Recycling in module D1	303	kg
Energy recovery from secondary fuels in Module D	466	kg

For the transport from the de-construction site to the biomass incineraton plant or to the user of recycled wood respectively, a transport of 50 km has been assumed.
For the biomass incineration plant, an efficiency of 37.5 % has been assumed for the production of heat and 26.5 % for the production of electricity (always referring to the lower heating value of the waste).
For the recycled particleboard, a substitution of dry chips from wood industries has been assumed.
In line with PCR part A (*IBU 2024a*), the total output flow is considered for the quantification of benefits and burdens from secondary fuels; a net flow calculation has been applied to the recycling scenario, as some recycled material is used as an input to the product system.

LCA: Results

The characterisation factors version EF3.1 have been used for the impact assessment.

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE OR INDICATOR NOT DECLARED; MNR = MODULE NOT RELEVANT)

Product stage			Construction process stage		Use stage							End of life stage				Benefits and loads beyond the system boundaries
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MND	MND	MNR	MNR	MNR	MND	MND	X	X	X	X	X

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT according to EN 15804+A2: 1 m3 of Linex wood/flax particleboard with an average density of 466 kg/m3

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	D/1
GWP-total	kg CO_2 eq	-6.1E+02	3.6E+01	7.74E+00	0	2.41E+00	7.25E+02	0	-2.9E+02	-2.02E+01
GWP-fossil	kg CO_2 eq	1.17E+02	3.6E+01	1.8E+00	0	2.41E+00	3.22E+00	0	-2.89E+02	-2.01E+01
GWP-biogenic	kg CO_2 eq	-7.28E+02	6.77E-03	5.95E+00	0	4.53E-04	7.22E+02	0	-1.28E+00	-6.03E-02
GWP-luluc	kg CO_2 eq	2.49E-01	1.28E-02	7.49E-05	0	8.55E-04	9.45E-03	0	-4.72E-01	-1.03E-01
ODP	kg CFC11 eq	5.98E-06	7.51E-07	1.41E-08	0	5.03E-08	5.36E-08	0	-1.04E-05	-4.5E-07
AP	mol H^+ eq	4.97E-01	8.51E-02	2.85E-03	0	5.7E-03	1.62E-02	0	-4.33E-01	-1.22E-01
EP-freshwater	kg P eq	6.53E-03	2.91E-04	2.76E-06	0	1.95E-05	2.96E-04	0	-3.26E-02	-2.11E-03
EP-marine	kg N eq	1.89E-01	2.18E-02	1.08E-03	0	1.46E-03	2.24E-03	0	-9.03E-02	-4.09E-02
EP-terrestrial	mol N eq	1.76E+00	2.41E-01	1.17E-02	0	1.62E-02	2.54E-02	0	-1.04E+00	-4.6E-01
POCP	kg NMVOC eq	8.34E-01	1.48E-01	4.76E-03	0	9.9E-03	8.45E-03	0	-4.9E-01	-1.61E-01
ADPE	kg Sb eq	9.1E-04	1.01E-04	6.51E-07	0	6.74E-06	7.71E-06	0	-4.3E-04	-7.68E-05
ADPF	MJ	3.45E+03	5.41E+02	9.15E+00	0	3.62E+01	7.34E+01	0	-6.22E+03	-3.49E+02
WDP	m^3 world eq deprived	8.36E+01	2.57E+00	3.16E-02	0	1.73E-01	8.7E-01	0	-9.96E+00	-1.12E+01

GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential)

RESULTS OF THE LCA - INDICATORS TO DESCRIBE RESOURCE USE according to EN 15804+A2: 1 m3 of Linex wood/flax particleboard with an average density of 466 kg/m3

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	D/1
PERE	MJ	1.06E+03	8.46E+00	5.98E+01	0	5.67E-01	1.67E+01	0	-8.67E+02	-1.64E+03
PERM	MJ	5.3E+03	0	-5.97E+01	0	0	-5.24E+03	0	0	0
PERT	MJ	5.72E+03	8.46E+00	8.41E-02	0	5.67E-01	-5.23E+03	0	-8.67E+02	-1.64E+03
PENRE	MJ	2.77E+03	5.4E+02	1.73E+01	0	3.62E+01	7.34E+01	0	-6.23E+03	-3.49E+02
PENRM	MJ	6.83E+02	0	-8.2E+00	0	0	-6.75E+02	0	0	0
PENRT	MJ	3.45E+03	5.4E+02	9.14E+00	0	3.62E+01	-6.01E+02	0	-6.23E+03	-3.49E+02
SM	kg	1.36E+02	0	0	0	0	0	0	0	3.03E+02
RSF	MJ	0	0	0	0	0	0	0	6.82E+03	0
NRSF	MJ	0	0	0	0	0	0	0	6.75E+02	0
FW	m^3	2.55E+00	0	0	0	0	0	0	0	0

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

RESULTS OF THE LCA – WASTE CATEGORIES AND OUTPUT FLOWS according to EN 15804+A2: 1 m3 of Linex wood/flax particleboard with an average density of 466 kg/m3

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	D/1
HWD	kg	5.22E+00	3.55E-03	9.81E-05	0	2.38E-04	1.19E-04	0	-1.13E-02	-1.52E-03
NHWD	kg	5.72E+01	4.62E+01	8.66E-02	0	3.1E+00	3.17E-01	0	-7.44E+00	-5.54E+00
RWD	kg	1.57E-02	2.8E-04	2.99E-06	0	1.88E-05	9.13E-04	0	-2.97E-02	-1.72E-03
CRU	kg	0	0	5.95E+00	0	0	0	0	0	0
MFR	kg	3.7E+00	0	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	4.66E+02	0	0	0
EEE	MJ	0	0	9.32E+00	0	0	0	0	0	0

EET	MJ	0	0	2.36E+01	0	0	0	0	0	0

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

RESULTS OF THE LCA – additional impact categories according to EN 15804+A2-optional: 1 m3 of Linex wood/flax particleboard with an average density of 466 kg/m3

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D	D/1
PM	Disease incidence	4.82E-06	3.5E-06	5.05E-08	0	2.34E-07	6.42E-08	0	-9.47E-07	-4.87E-06
IR	kBq U235 eq	1.27E+01	2.38E-01	2.4E-03	0	1.6E-02	6.34E-01	0	-1.33E+01	-1.18E+00
ETP-fw	CTUe	5.26E+02	2.91E-04	2.76E-06	0	1.95E-05	2.96E-04	0	-3.26E-02	-2.11E-03
HTP-c	CTUh	1.51E-06	2.3E-07	4.25E-09	0	1.54E-08	2.06E-08	0	-2.45E-07	-1.91E-07
HTP-nc	CTUh	7.15E-06	3.47E-07	1.08E-08	0	2.32E-08	2.61E-08	0	-3.94E-07	-2.25E-07
SQP	SQP	1.57E+04	5.44E+02	8.68E-01	0	3.64E+01	1.3E+01	0	-5.77E+02	-9.56E+03

PM = Potential incidence of disease due to PM emissions; IR = Potential Human exposure efficiency relative to U235; ETP-fw = Potential comparative Toxic Unit for ecosystems; HTP-c = Potential comparative Toxic Unit for humans (cancerogenic); HTP-nc = Potential comparative Toxic Unit for humans (not cancerogenic); SQP = Potential soil quality index

Disclaimer 1 – for the indicator “Potential Human exposure efficiency relative to U235”. 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 or radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators “abiotic depletion potential for non-fossil resources”, “abiotic depletion potential for fossil resources”, “water (user) deprivation potential, deprivation-weighted water consumption”, “potential comparative toxic unit for ecosystems”, “potential comparative toxic unit for humans – cancerogenic”, “Potential comparative toxic unit for humans - not cancerogenic”, “potential soil quality index”. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high as there is limited experience with the indicator.

References

Product category rules of IBU

IBU (2021)
IBU (2021): General Instructions for the EPD Programme of the Institut Bauen und Umwelt e.V. Version 2.0. Institut Bauen und Umwelt, Berlin.

IBU (2024a)
IBU (2024): PCR Part A: Calculation rules for the life cycle assessment and requirements on the project report according to EN 15804+A2. Version 1.4., Institut Bauen und Umwelt e.V., Berlin.

IBU (2024b)
IBU (2024): PCR Part B: Requirements on the EPD for wood-based panels. Version 11 (2024-08), Institut Bauen und Umwelt e.V., Berlin.

Standards and legal documents

ASTM D6007
ASTM D6007-22, Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber.

CEN/TS 16368
DIN CEN/TS 16368:2014-06, Lightweight Particleboards - Specifications.

EN 309
DIN EN 309:2005-04, Particleboards - Definition and classification.

EN 312
DIN EN 312:2010-12, Particleboards - Specifications.

EN 317
DIN EN 317:1993-08, Particleboards and fibreboards; determination of swelling in thickness after immersion in water.

EN 322
DIN EN 322: 1993-08, Wood-based panels - Determination of moisture content.

EN 335
DIN EN 335: 2013-06, Durability of wood and wood-based products - Use classes: definitions, application to solid wood and wood-based products.

EN 15804
DIN EN 15804+A2:2022-03, sustainability of construction works - Environmental product declarations - Core rules for the product category construction products; German version EN 15804: 2012+A2:2019 + AC:2021.

EN 16485
DIN EN 16485:2014-07, Round and sawn timber - Environmental Product Declarations - Product category rules for wood and wood-based products for use in construction; German version EN 16485:2014.

ISO 9001
DIN EN ISO 9001:2015, Quality management systems - Requirements.

ISO 14025
DIN EN ISO 14025:2006-07, Environmental labels and declarations - Type III Environmental declarations - Principles and procedures.

ISO 14044
DIN EN ISO 14044:2006-07, Environmental management - Life cycle assessment - Requirements and guidance.

ECHA candidate list
The Candidate List of substances of very high concern, available via https://echa.europa.eu/nl/-/four-newsubstances-added-to-the-candidate-list.

Regulation (EU) Nr. 305/2011(CPR)
REGULATION (EU) No 305/2011 OF THE EUROPEAN

PARLIAMENT AND OF THE COUNCIL of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC.

Additional references

BVFR-PEFC-COC-1799504
PEFC certificate No. BVFR-PEFC-COC-179950, for LINEX PANNEAUX, F-76190 YVETOT

BV--COC--027746/BV--CW--027746
FSC certificate no. BV--COC--027746/BV--CW--027746 for LINEX PANNEAUX, F-76190 YVETOT

CEWEP Energy Report III
Reimann D.O. (2013): CEWEP Energy Report III (Status 2007 – 2010); Results of Specific Data for Energy, R1 Plant Efficiency Factor and NCV of 314 European Waste-to-Energy (WtE) Plants. CEWEP, Würzburg/Brussels, 2013.

ecoinvent v3.10
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