Environmental Product Declaration

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

Parqwood, wood floor 10 mm (floating installation)

from

Berryalloc NV

Programme:	The International EPD® System, www.environdec.com
Programme operator:	EPD International AB
EPD registration number:	EPD-IES-0019861
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An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

General information

Programme information

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

Accountabilities for PCR, LCA and independent, third-party verification
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, version 1.3.2, c-PCR-006 WOOD AND WOOD-BASED PRODUCTS FOR USE IN CONSTRUCTION*
PCR review was conducted by: T*echnical Committee of the International EPD® System. The review panel may be contacted via info@environdec.com.*
Life Cycle Assessment (LCA)
LCA accountability: Esteana 567 rue Maréchal Lyautey 83220 Le Pradet France
Third-party verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via: ☒ EPD verification by individual verifier Third-party verifier: Lees-Perasso Étienne, TIDE Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☐ Yes ☒ No

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

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same 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 equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD: Berryalloc NV
Industrielaan 100
8930 Menen
Belgium

Contact: Bruno D'Argent / phone: +32 56 52 84 80 / email: info@berryalloc.com

Description of the organisation:
BerryAlloc®, with headquarter in Belgium offers a wide array of interior solutions for residential and commercial projects, ranging from laminate, vinyl and parquet floors to wall panels. The extensive BerryAlloc® product range is durable and meets current aesthetic and technical requirements: quality, variety of finishes, durability, longevity and ease of installation. Guided by trends and the latest technological improvements, BerryAlloc also strive to reduce our impact on the environment and grow in a sustainable way as a profitable company.
BerryAlloc® manufactures high-quality wooden floors in its factory in France. A strong commitment to excellence drives continuous investment in product durability and quality to meet the highest standards. A dedicated production team, composed of skilled and passionate professionals, ensures that each real wood floor stands out in craftsmanship and design. As a leading producer of engineered wood flooring in France, BerryAlloc® offers a diverse range of parquet flooring options, varying in size and surface finishes, to suit different styles and preferences. BerryAlloc® is part of the Beaulieu International Group.

Product-related or management system-related certifications:
The production processes are subject to rigorous controls and monitoring according to management criteria in accordance with the following standards:

- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Occupational Health and Safety Management System

Name and location of production site(s): The production sites covered are Meaulne in France and Menen in Belgium.

Product information

Product name: Parqwood
Product identification:

- BerryAlloc Parqwood XL
- BerryAlloc Parqwood XXL Long
- BerryAlloc Parqwood Herringbone

Product description: Parqwood is a wooden floor covering with a total thickness of between 9 and 10 mm. Parqwood is made up of a thin oak veneer and a HDF panel core. Some configurations are available with a backing. This EPD only covers floating installations.
UN CPC code: 31600, Builders' joinery and carpentry of wood (including cellular wood panels, assembled parquet panels, shingles and shakes)
Geographical scope: The products are manufactured in France and Belgium (A3). The raw materials are produced and transported from France and Europe (A1-A2). The distribution, construction, use and end-of-life were modelled based on the French market (A4-A5; B1-B7; C1-C4 and D).

LCA information

Declared unit: To cover one square metre of interior flooring with wood flooring over the reference service life of 20 years.

Reference service life: 20 years

Time representativeness: Data for the production process, the transport of raw materials (A2) and the transport to construction sites is based on average data for the production year 2022.

Database(s) and LCA software used: The background data are based on ecoinvent 3.9.1 (system model: allocation, cut-off, EN 15804), released in 2022.

Description of system boundaries: Cradle to grave and module D (A + B + C + D).
The system boundaries have been set in compliance with NF EN 15804+A2, in particular with the 'modularity' principle (processes are assigned to the module in which they take place) and the 'polluter pays' principle (waste treatment processes are assigned to the processes that generate the waste).

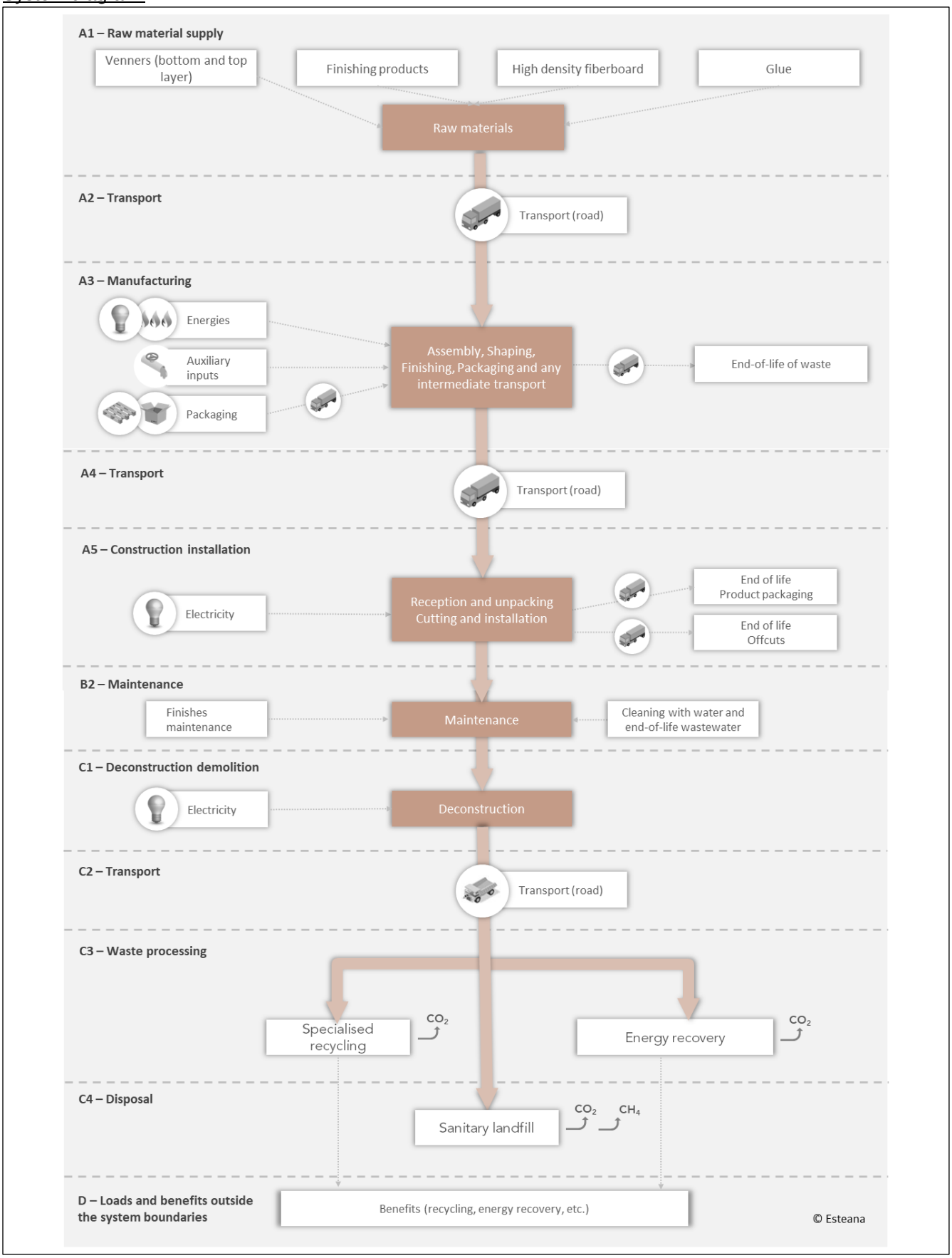
Cut-off criteria: The cut-off rules set out in standard NF EN 15804+A2 have also been respected (1% per process, 5% per module, in terms of mass and primary energy consumption).

Allocation: The allocation rules set out in standard NF EN 15804+A2 have been complied with:

- Allocation avoided wherever possible;
- Allocation based on physical properties (e.g. mass, volume) when the difference in revenue generated by the co-products is small;
- In all other cases, allocation based on economic values;
- Material flows with specific inherent properties, e.g. energy content, elemental composition (e.g. biogenic carbon content), always assigned to reflect physical flows, regardless of the process assignment chosen.

The data for A3 production sites has been reduced to the functional unit per division, since there is a proportional relationship between the consumption dedicated to the products and the surface area of the coating produced.
In accordance with standard NF EN 16485, the biogenic carbon and energy flows included in the wood components are allocated in a physical manner.

System diagram:



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

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geography	EU27	EU27	FR / BE	FR / BE	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR
Specific data used	22%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	-2,2% / +4,3%					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0%					-	-	-	-	-	-	-	-	-	-	-	-

A1-A3 Product stage

A1 – Raw materials supply

- Extraction of raw materials and successive transformations up to the production of the veneers / sawings supplied by the manufacturing site. The processes are included up to the exit door of the production site and include among others: CO_2 capture during tree growth, forestry and logging operations, sawing and transport.
- Extraction of raw materials, processing of secondary materials, production and transport of wood-based panels. Processes are included up to the exit door of the supplier's production site.
- Extraction of raw materials and subsequent processing until the raw materials required for the production of finishes are available.
- Extraction of raw materials and successive processing until the glues are applied.
- Extraction of raw materials and production of packaging for all components supplied (pallets, paper/cardboard and plastic packaging). The processes are included up to the exit door of the packaging production site.

A2 – Transport

- Transport of packaged components / raw materials between their production site and the manufacturing site

A3 – Manufacturing:

- Supply and use of energy inputs for the manufacturing process and handling.
- Extraction of raw materials and production of finished product packaging.
- Extraction of raw materials and successive transformations up to the production of waste wood from the manufacturing site.
- End of life of component / raw material packaging.
- Transport to the manufacturing site in Belgium (Meaulne to Menen).

A4-A5 Construction stage

A4 – Transport (to the construction site):

- Transport of the cladding stirps and their packaging between the manufacturing site and the building site (via any intermediaries).

Parameter	**Value / description**
Transport production site > intermediary	Vehicle type: truck >32 tonnes Fuel consumption: 0.019 L/tkm Capacity utilisation: 53% (ecoinvent) Distance: 149 km Volume capacity utilisation factor: <1
Transport intermediary > construction site	Vehicle type: 16-32 tonnes truck Fuel consumption: 0.037 L/tkm Capacity utilisation: 36% (ecoinvent) Distance: 30 km Volume capacity utilisation factor: <1

A5 – Construction / Installation:

- Installation of the cladding strips in the construction. This is taken into account with an electricity consumption by electro-powered machines.
- Manufacture, transport, packaging and end-of-life of offcuts of cladding strips. This includes all the processes involved in transporting the offcuts and treating them until they are no longer waste.
- End of life of finished product packaging. This includes all the processes involved in transporting and treating the packaging until it is no longer waste.

Parameter	**Value / description**
Auxiliary materials for installation	No auxiliary material used
Use of water	Not used
Use of other resources	No other resource consumption

Quantitative description of the type of energy (regional mix) and the consumption during the installation process	Low-voltage electricity France: 0.057 kWh/UF
Wastage of materials on the building site before waste processing, generated by the product's installation (specified by type)	Waste wooden pallets (reused): 0.29 kg/UF Waste wood pallets (CODIFAB scenario): 0.14 kg/UF Plastic packaging waste (recycled): 0.02 kg/UF Plastic packaging waste (recovered): 0.02 kg/UF Plastic packaging waste (stored) : 0.03 kg/UF Paper and cardboard waste (recycled) : 0.07 kg/UF Paper / cardboard waste (recovered) : 0.003 kg/UF Paper / Cardboard waste (stored) : 0.004 kg/UF
Output materials (specified by type) generated by waste treatment on the construction site, e.g. collection for recycling, energy recovery, disposal (specified by route)	Product losses: 5% of the product: 0.39 kg/UF

B1-B7 Use stage

B1 – Use:

- Wood and wood-based components store biogenic carbon during the product's life cycle.
- Air emissions of substances (VOCs, formaldehydes, etc.) are possible (glues and finishes), but it has not been possible to quantify them.

B2 – Maintenance:

- Supply and use of water for periodic cleaning
- Periodic maintenance with a metallizing renovator. This renovation includes all the processes required to provide and apply the product.

Parameter	**Value / description**
Maintenance process	Periodic cleaning and maintenance of finishes
Maintenance cycle	Washing: 1 cycle every year, i.e. 20 cycles on the reference service life Periodic maintenance: 2 cycles on the product's reference service life
Auxiliary inputs for maintenance	Use of metallising renovator: 41 grams /UF
Waste products from maintenance	Not applicable
Net consumption of fresh water during maintenance	1 L / wash cycle
Energy inputs during maintenance	Not applicable

B3 TO B7 - REPAIR, REPLACEMENT, REFURBISHMENT, USE OF ENERGY AND WATER:

- No reparation during the reference service life

- No replacement during the reference service life
- No renovation during the reference service life
- No energy or water use during the reference service life

C1-C4 End-of-life stage

C1 – De-construction demolition:

- Disassembly of the cladding strips of the building, taken into account with an electricity consumption by electro-powered machines

C2 – Transport (for treatment of disposal):

- Transport of the dismantled product to the various end-of-life sites

C3 – Waste processing:

- Supply of electricity and diesel for sorting and/or shredding wood.
- Transport of wood from its direct destination after construction to its final destination
- Energy recovery from wood (boiler and cogeneration).
- Wood recovery in cements factories

C4 – Disposal:

- Storage of the waste to be eliminated of in a non-hazardous waste storage center

Parameter	**Value / description**
Collecting process	8,46 kg collected
Recovery system	3.66 kg for recycling 3.52 kg for energy recovery 0.63 kg for incineration in cement plants
Disposal	0.65 kg for non-hazardous waste storage
Electricity dismantling (power tools)	Low-voltage electricity consumption: 0.057 kWh/UF
Shredding, sorting and handling	For the part going to waste collection centers: Electricity for shredding and sorting: 37 kWh/ton For the part going to the sorting centers : Diesel: 2,68 L/ton
Residual biogenic carbon emissions	0,83 kg CO_2/UF

D Loads and benefits outside the system boundaries

Recovered materials leaving the boundaries of the system	**Recycling processes beyond system boundaries**	**Materials / energy saved**	**Associated quantities**
Wood cladding and off-cuts from its installation and part of non-reused wooden pallets	Material recovery into particleboard: sorting and high-speed shredding	Industrial wood production	3,68 kg/UF
		Heat production	36 MJ/UF

	Energy recovery in cogeneration units and boilers (already included in C3)	Electricity production	1,3 kWh/UF
	Material recovery in cement factories (already recorded in C3)	Clinker	0,02 kg/UF
	Energy recovery in cement works (already recorded in C3)	Petroleum coke	8,7 MJ/UF
Wooden pallet	Reuse: Reconditioning / Refurbishment	New pallet production	0,29 kg/UF
Plastic packaging	Recycling	Plastic production	0,02 kg/UF
	Energy recovery	Heat production	0,55 MJ/UF
		Electricity production	0,02 kWh/UF
Paper and cardboard packaging	Recycling	Paper pulp production	0,02 kWh/UF
	Energy recovery	Heat production	0,02 MJ/UF
		Electricity production	0,003 kWh/UF

Content information

Product components	Weight, kg	Post-consumer material, weight-%	Biogenic material, weight-% and kg C/m²
Oak Veneer	0,44	0%	100% and 0,2 kg C / m²
High density fiberboard	7,54	0%	81% and 3,05 kg C / m²
Softwood backing	0,28	0%	100% and 0,13 kg C / m²
Glue	0,09	0%	0% and 0 kg C / m²
Varnish (solvent free)	0,11	0%	0% and 0 kg C / m²
TOTAL	8,46	0%	3,38 kg C / m²
Packaging materials	**Weight, kg**	**Weight-% (versus the product)**	**Weight biogenic carbon, kg C/m²**
Pallet, wood	0,43	5,1%	0,22 kg C / m²
Plastic	0,08	0,9%	0 kg C / m²
Cardboard	0,08	1,0%	0,06 kg C / m²
Paper / labels	0,00	0,0%	0 kg C / m²
TOTAL	0,59	7,0%	0,28 kg C / m²

The product does not contain more than 0.1% by mass of a substance classified as a Substance of Very High Concern (SVHC) according to the candidate list provided by Annex XIV of the REACH Regulation.

Results of the environmental performance indicators

Mandatory impact category indicators according to EN 15804

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-total	kg CO_2 eq.	-7,17 E+00	1,86 E-01	1,04 E+00	0,00 E+00	1,11 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	5,07 E-03	2,48 E-02	1,14 E+01	1,06 E+00	-4,36 E+00
GWP-fossil	kg CO_2 eq.	4,94 E+00	1,85 E-01	3,80 E-01	0,00 E+00	1,03 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	4,96 E-03	2,47 E-02	2,31 E-01	6,55 E-03	-4,33 E+00
GWP-biogenic	kg CO_2 eq.	-1,23 E+01	1,45 E-04	6,58 E-01	0,00 E+00	8,32 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	1,06 E-04	1,90 E-05	1,11 E+01	1,05 E+00	-2,73 E-02
GWP-luluc	kg CO_2 eq.	1,40 E-01	9,07 E-05	7,03 E-03	0,00 E+00	9,92 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	3,40 E-06	1,16 E-05	1,10 E-04	1,48 E-06	-3,12 E-03
ODP	kg CFC 11 eq.	1,30 E-07	4,16 E-09	1,16 E-08	0,00 E+00	2,58 E-09	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	2,06 E-10	5,42 E-10	1,92 E-08	1,92 E-10	-1,32 E-07
AP	mol H^+ eq.	3,63 E-02	4,44 E-04	2,43 E-03	0,00 E+00	1,30 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	3,48 E-05	9,85 E-05	6,16 E-03	4,26 E-05	-8,88 E-03
EP-freshwater	kg P eq.	3,18 E-03	1,35 E-05	1,67 E-04	0,00 E+00	7,30 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	2,08 E-06	1,72 E-06	4,04 E-05	9,55 E-07	-4,73 E-04
EP-marine	kg N eq.	1,22 E-02	1,19 E-04	8,14 E-04	0,00 E+00	4,15 E-04	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	6,71 E-06	3,74 E-05	1,76 E-03	2,43 E-04	-1,74 E-03
EP-terrestrial	mol N eq.	1,24 E-01	1,22 E-03	8,51 E-03	0,00 E+00	1,04 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	5,51 E-05	3,99 E-04	2,51 E-02	1,94 E-04	-1,76 E-02
POCP	kg NMVOC eq.	4,71 E-02	7,16 E-04	2,90 E-03	0,00 E+00	4,40 E-04	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	1,87 E-05	1,45 E-04	4,94 E-03	1,24 E-04	-9,48 E-03
ADP-minerals&metals*	kg Sb eq.	2,29 E-05	5,54 E-07	1,53 E-06	0,00 E+00	1,03 E-06	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	2,34 E-07	8,16 E-08	1,20 E-06	1,35 E-08	-2,55 E-06
ADP-fossil*	MJ	2,00 E+02	2,78 E+00	1,15 E+01	0,00 E+00	1,86 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	6,78 E-01	3,54 E-01	4,74 E+00	1,53 E-01	-6,73 E+01
WDP*	m^3	3,58 E+00	1,42 E-02	1,98 E-01	0,00 E+00	9,68 E-02	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	8,24 E-03	1,71 E-03	6,82 E-02	1,29 E-03	-3,76 E-01
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption															

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

Additional mandatory and voluntary impact category indicators

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
GWP-GHG[1]	kg CO_2 eq.	5,12 E+00	1,85 E-01	4,90 E-01	0,00 E+00	1,04 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	4,98 E-03	2,48 E-02	2,35 E-01	1,43 E-01	-3,73 E+00

[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 CO_2 is set to zero.

Resource use indicators

Results per declared unit																
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	MJ	2,57 E+01	4,12 E-02	5,49 E+00	0,00 E+00	1,52 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	5,72 E-02	5,93 E-03	5,97 E+01	6,60 E-03	-2,44 E+01
PERM	MJ	2,37 E+02	0,00 E+00	-1,80 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	-1,12 E+02	0,00 E+00	-2,19 E+01
PERT	MJ	2,63 E+02	4,12 E-02	3,70 E+00	0,00 E+00	1,52 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	5,72 E-02	5,93 E-03	-5,21 E+01	6,60 E-03	-4,64 E+01
PENRE	MJ	1,90 E+02	2,79 E+00	1,10 E+01	0,00 E+00	1,86 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	6,78 E-01	3,54 E-01	4,74 E+00	1,53 E-01	-6,70 E+01
PENRM	MJ	9,45 E+00	0,00 E+00	-4,10 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	-2,41 E-01
PENRT	MJ	1,99 E+02	2,79 E+00	1,06 E+01	0,00 E+00	1,86 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	6,78 E-01	3,54 E-01	4,74 E+00	1,53 E-01	-6,73 E+01
SM	kg	1,80 E-01	1,21 E-03	1,06 E-02	0,00 E+00	1,90 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	4,91 E-05	1,54 E-04	3,44 E-03	6,00 E-05	5,57 E-04
RSF	MJ	4,27 E+00	1,53 E-05	2,14 E-01	0,00 E+00	1,82 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	3,11 E-07	1,68 E-06	1,48 E-05	2,49 E-06	-1,22 E-01
NRSF	MJ	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
FW	m^3	8,62 E-02	3,63 E-04	4,59 E-03	0,00 E+00	-1,50 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	1,93 E-04	4,28 E-05	1,27 E-03	1,82 E-04	-9,08 E-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															

Waste indicators

Results per declared unit															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Hazardous waste disposed	kg	3,45 E-01	2,67 E-03	2,17 E-02	0,00 E+00	1,32 E-02	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	3,07 E-04	3,09 E-04	2,86 E-02	1,73 E-04	-5,36 E-02
Non-hazardous waste disposed	kg	3,96 E+00	2,37 E-01	3,16 E-01	0,00 E+00	1,83 E-01	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	7,57 E-03	1,77 E-02	2,39 E-01	6,52 E-01	-4,92 E-01
Radioactive waste disposed	kg	1,79 E-03	8,59 E-07	1,03 E-04	0,00 E+00	3,86 E-06	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	8,76 E-06	1,32 E-07	2,29 E-05	8,67 E-08	-1,48 E-04

Output flow indicators

Results per declared unit															
Indicator	**Unit**	**A1-A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Components for re-use	kg	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Material for recycling	kg	1,00 E+00	2,07 E-05	3,89 E-01	0,00 E+00	5,18 E-05	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	4,03 E-05	2,63 E-06	3,69 E+00	1,56 E-06	-2,05 E-03
Materials for energy recovery	kg	5,39 E-06	1,31 E-07	3,21 E-07	0,00 E+00	1,08 E-07	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	4,62 E-09	1,11 E-08	1,90 E-07	3,00 E-09	-5,93 E-07
Exported energy, electricity	MJ	1,21 E-01	4,09 E-04	2,00 E-01	0,00 E+00	2,11 E-03	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	2,30 E-04	6,87 E-05	4,63 E+00	8,73 E-05	-1,92 E-02
Exported energy, thermal	MJ	1,37 E-01	4,71 E-04	3,45 E+00	0,00 E+00	2,19 E-02	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	1,75 E-05	3,29 E-04	4,50 E+01	6,59 E-05	-6,11 E-03

Differences versus previous versions

This is the first Berryalloc NV's EPD for Parqwood published at Environdec.

References

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

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PCR 2019:14- c-PCR-006 Wood and wood-based products for use in construction (EN 16485)

EN 15804:2012+A2:2019, Sustainability of construction works - Environmental Product Declarations – Core rules for the product category of construction products

ISO 14025:2009: Environmental labels and declarations - Type III environmental product declarations

ISO 14040:2006, Environmental management - Life cycle assessment – Principles

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EN 16449:2014 ISO 14025:2010 Wood and wood-based products - Calculation of the biogenic carbon content of wood and conversion to carbon dioxide

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