ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Yeseco Still T

Yeseco Oy

EPD HUB, HUB-6962

Published on 15.07.2026, last updated on 13.10.2026, valid until 14.07.2031

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.2 (24 Mar 2025) and JRC characterization factors EF 3.1.

Created with One Click LCA

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Yeseco Oy
Address	Paljekatu 6, 38200 Sastamala, Finland
Contact details	info@yeseco.fi
Website	https://yeseco.fi/en/main/

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804:2012+A2:2019/AC:2021 and ISO 14025
PCR	EPD Hub Core PCR Version 1.2, 24 Mar 2025
Sector	Construction product
Category of EPD	Third party verified EPD
Scope of the EPD	Cradle to gate with options, A5, and modules C1-C4, D
EPD author	Jori Jokela, Macon Oy
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Afzal khan Peerukhan as an authorized verifier for EPD Hub

This EPD is intended for business-to-business and/or business-to-consumer communication. The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. 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.

PRODUCT

Product name	Yeseco Still T
Place(s) of raw material origin	Finland, EU
Place of production	Sastamala, Finland
Place(s) of installation and use	Finland & Globallly
Period for data	Calendar year 2024
Averaging in EPD	No grouping
A1-A3 Specific data (%)	32,1

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 m2
Declared unit mass	4,4 kg
Mass of packaging	0,7 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	2,41
GWP-total, A1-A3 ($kgCO_2e$)	-1,97
Secondary material, inputs (%)	29,8
Total energy use, A1-A3 (kWh)	8,93
Net freshwater use, A1-A3 (m^3)	0,05

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Yeseco Oy is a Finnish company specializing in ecological acoustics products. We manufacture our products in Finland. Our products were rewarded with InnoSuomi Honorary Award in 2010.

Our mission is to bring ecological, acoustically efficient and interior design fitting solutions to the acoustics needs of homes, offices and public spaces. Good acoustics add to the comfort and functionality of the premises.

Our products are tested, acoustically effective and safe. The natural fibers we use give our products excellent acoustic properties and a beautiful, vibrant and timeless surface. With our visually impressive products, you make any space comfortable. Our products are easy to install.

PRODUCT DESCRIPTION

Noise causes stress and distracts concentration. With Yeseco products you get peace and privacy to your premises and make them convenient again. Good acoustics improves the productivity of the working environment. Good acoustics is investment for the future.

Yeseco acoustic panels bring a fresh new look to your space whilst promoting wellbeing. Yeseco products are unique, combining the experience of a pleasant acoustic environment with customizable interior design.

Our Still T standard product size is 1000×1600×45 mm, but we can manufacture seamless panels up to 2400 × 1200 × 45 mm. Its measured sound absorption coefficient is αw 1 and it belongs to the highest sound absorption class, Class A. The product belongs to the M1 emission class for building materials. The Still T fire classification is B-s2,d0.

Further information can be found at: https://yeseco.fi/en/main/.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	-	-
Minerals	-	-
Fossil materials	27	Finland, EU
Bio-based materials	73	Finland, EU

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	1,5
Biogenic carbon content in packaging, kg C	0,05

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 m2
Mass per declared unit	4,4 kg

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

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

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	ND	x	ND	ND	ND	ND	ND	ND	ND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Not declared = ND.

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission.

A1 covers the extraction and processing of raw materials. A2 covers the transport of raw materials to the coating production site in Sastamala, Finland. Raw materials are mainly transported by road, while some are transported by sea over longer distances. Transport distances for raw materials are calculated based on distances between known raw material manufacturers and product manufacturing site.

A3 covers the manufacture of Still-T. The product is manufactured using equipment specifically developed for its production. After manufacturing, the products are packaged and prepared for shipment to customers.

The transport of production waste to recycling facilities is modelled using an estimated distance of 50 km from the production site.

LCA study for country specific electricity mixes (Finland) based on IEA (OneClickLCA 2026) were used as energy sources profile.

TRANSPORT AND INSTALLATION (A4-A5)

This EPD does not cover the transportation impacts that occurred from final products delivery to users (A4). Installation (A5) contains only packaging waste impacts, because installation and use vary case by case and are not managed by Yeseco Oy.

PRODUCT END OF LIFE (C1-C4, D)

Due to the recycling potential of the textile materials, the textile components may be used as secondary raw materials, thereby avoiding the use of virgin raw materials. It is assumed that, in Finland, 61% of textile waste is directed to energy recovery and 39% to reuse or fiber recycling. The recycled material content of the textile is approximately 50%. Therefore, only the remaining

50% is considered when calculating the potential net benefit in Module D, in order to avoid double counting.

For the recycled paper-based fiber mat, it is assumed that 83% is recycled, 8% is incinerated, and 9% is landfilled. As the fiber mat consists almost entirely of recycled material, no benefit from avoided virgin raw material production is declared in Module D.

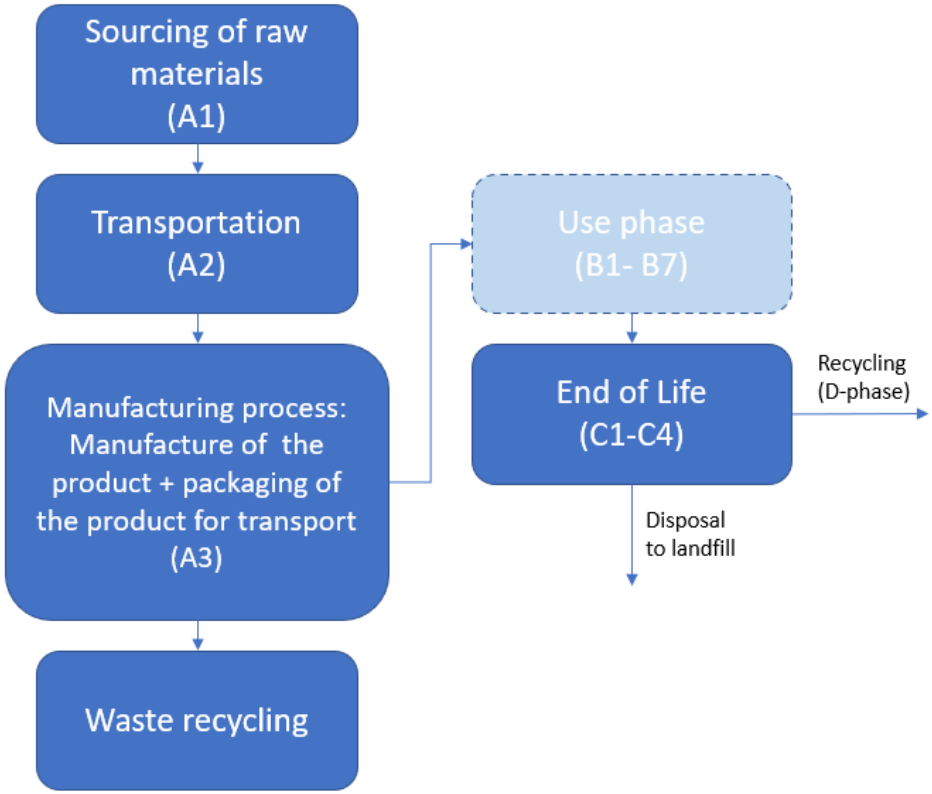
These assumptions were used to calculate the net benefits and loads reported in Module D.

SYSTEM DIAGRAM

Raw materials are transported to the production plant by truck. During the manufacturing process, the raw materials are fed through a fibre shredder into an air-flow mixer and then transferred to the carding stage, where a fibre mat is formed. The fibre mat produced by the carding machine is rolled up and transferred to intermediate storage.

The fibre mat is then fed into a furnace, where thermal bonding takes place to produce a plate-like blank. The blank is subsequently cut into custom-made pieces according to customer specifications. After the cutting stage, the finished products are further processed and coated as required by the customer, before being packaged for transport.

The finished products are transported to customers by truck.



LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. 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, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do 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.

VALIDATION OF DATA

Data collection for production, transport, and packaging was conducted using time and site-specific information, as defined in the general information section on page 1 and 2. Upstream process calculations rely on generic data as defined in the Bibliography section. Manufacturer-provided specific and generic data were used for the product's manufacturing stage. The analysis was performed in One Click LCA EPD Generator, with the 'Cut-Off, EN 15804+A2' allocation method, and characterization factors according to EN 15804:2012+A2:2019/AC:2021 and JRC EF 3.1.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging material	Physical Properties
Ancillary materials	Physical Properties
Manufacturing energy and waste	Physical Properties

PRODUCT & MANUFACTURING SITES GROUPING

Type of grouping	No grouping
Grouping method	Not applicable

This EPD is product and factory specific.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator for EPD Hub V3 and EPD Process Certification v3.2.5. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1/3.11/3.12 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11/3.12 environmental data sources follow the methodology 'allocation, Cut-off, EN 15804+A2'.

ENVIRONMENTAL IMPACT DATA

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

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

Impact category	Unit	A1	A2	A3	A1-A3	A5	C1	C2	C3	C4	D
GWP – total[1)]	kg CO_2e	-2,81E+00	2,13E-01	6,24E-01	-1,97E+00	2,16E-01	0,00E+00	4,22E-02	4,31E+00	3,88E-01	-1,15E-01
GWP – fossil	kg CO_2e	1,41E+00	2,13E-01	7,88E-01	2,41E+00	2,26E-02	0,00E+00	4,22E-02	4,40E-01	5,40E-03	-1,06E-01
GWP – biogenic	kg CO_2e	-4,24E+00	3,90E-06	-1,93E-01	-4,44E+00	1,93E-01	0,00E+00	0,00E+00	3,87E+00	3,83E-01	-8,40E-03
GWP – LULUC	kg CO_2e	2,10E-02	7,55E-05	2,93E-02	5,04E-02	1,57E-05	0,00E+00	1,47E-05	7,61E-05	4,81E-06	-5,53E-04
Ozone depletion pot.	kg $CFC\text{-}_{11}$e	1,14E-07	4,53E-09	2,49E-08	1,43E-07	2,35E-10	0,00E+00	8,59E-10	1,91E-09	1,03E-10	-1,14E-09
Acidification potential	mol H^+e	7,85E-03	6,19E-04	3,74E-03	1,22E-02	1,14E-04	0,00E+00	1,25E-04	1,62E-03	5,96E-05	-6,87E-04
EP-freshwater[2)]	kg Pe	9,94E-04	1,61E-05	4,53E-04	1,46E-03	6,01E-06	0,00E+00	2,83E-06	3,23E-05	4,05E-06	-4,45E-05
EP-marine	kg Ne	2,29E-03	1,58E-04	1,79E-03	4,24E-03	1,18E-04	0,00E+00	4,08E-05	1,09E-03	3,66E-04	-1,00E-04
EP-terrestrial	mol Ne	1,89E-02	1,71E-03	1,22E-02	3,28E-02	3,61E-04	0,00E+00	4,43E-04	7,43E-03	1,56E-04	-1,05E-03
POCP ("smog")[3)]	kg NMVOCe	5,14E-03	8,68E-04	3,04E-03	9,05E-03	1,41E-04	0,00E+00	1,97E-04	1,84E-03	1,69E-04	-3,27E-04
ADP-minerals & metals[4)]	kg Sbe	1,97E-05	7,18E-07	3,81E-06	2,42E-05	1,66E-07	0,00E+00	1,40E-07	9,14E-07	9,23E-09	-1,72E-07
ADP-fossil resources	MJ	2,42E+01	3,01E+00	1,18E+01	3,90E+01	2,32E-01	0,00E+00	5,94E-01	1,37E+00	9,77E-02	-2,01E+00
Water use[5)]	m^3e depr.	1,83E+00	1,60E-02	4,29E-01	2,28E+00	6,36E-03	0,00E+00	2,95E-03	7,17E-02	4,11E-03	-3,98E-02

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterization method and data are in kg P-eq. Multiply by 3,07 to get PO4e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and 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 experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

Impact category	Unit	A1	A2	A3	A1-A3	A5	C1	C2	C3	C4	D
Particulate matter	Incidence	3,56E-08	1,64E-08	3,32E-08	8,51E-08	4,79E-09	0,00E+00	3,29E-09	8,48E-09	7,14E-10	-6,89E-09
Ionizing radiation[6)]	kBq U235e	1,16E-01	3,28E-03	1,09E-01	2,28E-01	6,97E-04	0,00E+00	7,45E-04	7,63E-03	1,96E-04	-6,89E-02
Ecotoxicity (freshwater)	CTUe	5,95E+00	4,74E-01	6,50E+00	1,29E+01	8,73E+00	0,00E+00	7,98E-02	5,11E+00	2,68E+01	-2,03E-01
Human toxicity, cancer	CTUh	6,13E-10	3,44E-11	2,52E-10	8,99E-10	3,40E-11	0,00E+00	7,13E-12	1,11E-10	4,86E-12	-2,27E-11
Human tox. non-cancer	CTUh	1,01E-08	1,82E-09	6,04E-09	1,79E-08	1,57E-09	0,00E+00	3,71E-10	3,24E-09	1,23E-09	-9,10E-10
SQP[7)]	-	1,03E+01	1,98E+00	2,87E+01	4,09E+01	1,74E-01	0,00E+00	3,54E-01	5,06E-01	1,95E-01	-1,10E+00

6) 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; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A5	C1	C2	C3	C4	D
Renew. PER as energy[8)]	MJ	4,30E+00	4,82E-02	-3,21E+00	1,14E+00	-1,11E+01	0,00E+00	1,02E-02	-5,18E+01	-5,23E+00	-6,04E-01
Renew. PER as material	MJ	1,65E+01	0,00E+00	8,97E+00	2,54E+01	-8,97E+00	0,00E+00	0,00E+00	-1,50E+01	-1,48E+00	7,70E-02
Total use of renew. PER	MJ	2,08E+01	4,82E-02	5,76E+00	2,66E+01	-2,01E+01	0,00E+00	1,02E-02	-6,68E+01	-6,71E+00	-5,27E-01
Non-re. PER as energy	MJ	1,59E+01	3,01E+00	1,20E+01	3,09E+01	2,32E-01	0,00E+00	5,94E-01	-6,11E+00	9,74E-02	-2,01E+00
Non-re. PER as material	MJ	8,86E+00	0,00E+00	2,93E-02	8,89E+00	-2,93E-02	0,00E+00	0,00E+00	-8,07E+00	-7,98E-01	2,40E-04
Total use of non-re. PER	MJ	2,48E+01	3,01E+00	1,20E+01	3,98E+01	2,02E-01	0,00E+00	5,94E-01	-1,42E+01	-7,00E-01	-2,01E+00
Secondary materials	kg	1,31E+00	1,36E-03	6,91E-01	2,00E+00	3,77E-04	0,00E+00	2,72E-04	2,98E-01	3,13E-05	2,57E-04
Renew. secondary fuels	MJ	1,26E-02	1,74E-05	6,51E-02	7,77E-02	2,19E-06	0,00E+00	3,45E-06	1,15E-05	5,87E-07	7,67E-05
Non-ren. secondary fuels	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	0,00E+00	0,00E+00
Use of net fresh water	m^3	4,19E-02	3,70E-04	9,58E-03	5,19E-02	-1,39E-04	0,00E+00	7,84E-05	1,10E-03	-1,23E-03	-1,58E-03

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A5	C1	C2	C3	C4	D
Hazardous waste	kg	8,89E-02	1,84E-02	1,46E-01	2,53E-01	3,96E-03	0,00E+00	1,33E-03	4,19E-02	2,41E-04	-8,61E-03
Non-hazardous waste	kg	4,24E+00	2,63E-01	1,71E+00	6,21E+00	2,75E-01	0,00E+00	2,31E-02	1,10E+00	8,99E-01	-2,19E-01
Radioactive waste	kg	5,00E-05	7,93E-07	2,67E-05	7,75E-05	1,71E-07	0,00E+00	1,84E-07	1,95E-06	4,78E-08	-1,51E-05

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	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	0,00E+00	0,00E+00
Materials for recycling	kg	1,92E-07	0,00E+00	0,00E+00	1,92E-07	5,81E-01	0,00E+00	0,00E+00	3,31E+00	0,00E+00	0,00E+00
Materials for energy rec	kg	3,47E-03	0,00E+00	0,00E+00	3,47E-03	0,00E+00	0,00E+00	0,00E+00	7,53E-01	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,73E-01	0,00E+00	0,00E+00	4,92E+00	0,00E+00	0,00E+00
Exported energy – Electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,12E-01	0,00E+00	0,00E+00	2,03E+00	0,00E+00	0,00E+00
Exported energy – Heat	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,61E-01	0,00E+00	0,00E+00	2,89E+00	0,00E+00	0,00E+00

ADDITIONAL INDICATOR – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A5	C1	C2	C3	C4	D
GWP-GHG[9)]	kg CO_2e	1,44E+00	2,13E-01	8,18E-01	2,47E+00	2,26E-02	0,00E+00	4,22E-02	4,41E-01	5,41E-03	-1,06E-01

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. In addition, the characterization factors for the flows – CH4 fossil, CH4 biogenic and Dinitrogen monoxide – were updated. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO2 is set to zero

SCENARIO DOCUMENTATION

DATA SOURCES

Manufacturing energy scenario documentation

Scenario parameter	Value
Electricity data source and quality	Electricity, medium voltage, residual mix, Finland, Ecoinvent 3.12
Electricity CO2e / kWh	0,51
Heat production data source and quality	Heat production, biomethane, at boiler condensing modulating <100kW, europeWithoutSwitzerland, Ecoinvent 3.12
Heating kgCO2e / MJ	0,0929

Installation at the building site (A5) - Scenario documentation

Scenario parameter	Value
Waste materials: type and mass (kg)	0,7 kg of cardboard package
Waste materials: output routes	83% are recycled, 8% are incinerated and 9% are landfilled (Source:EUROSTAT).

End of life (C1-C4) - Scenario documentation

Scenario information	Value
Collection process: collected separately (kg)	4,4
Collection process: Mixed waste (kg)	0
Recovery: re-use (kg)	0
Recovery: recycling (kg)	3,31
Recovery: energy recovery (kg)	0,75
Disposal (kg)	0,33
Scenario assumptions e.g. transportation (mode, km) & other	Distance for transportation to treatment is assumed as 50 km to 250 km and the transportation method is assumed to be lorry.

THIRD-PARTY VERIFICATION STATEMENT

EPD Hub declares that this EPD is verified in accordance with ISO 14025 by an independent, third-party verifier. The project report on the Life Cycle Assessment and the report(s) on features of environmental relevance are filed at EPD Hub. EPD Hub PCR and ECO Platform verification checklist are used.

EPD Hub is not able to identify any unjustified deviations from the PCR and EN 15804+A2 in the Environmental Product Declaration and its project report.

EPD Hub maintains its independence as a third-party body; it was not involved in the execution of the LCA or in the development of the declaration and has no conflicts of interest regarding this verification.

The company-specific data and upstream and downstream data have been examined as regards plausibility and consistency. The publisher is responsible for ensuring the factual integrity and legal compliance of this declaration.

The software used in creation of this LCA and EPD is verified by EPD Hub to conform to the procedural and methodological requirements outlined in ISO 14025:2010, ISO 14040/14044, EN 15804+A2, and EPD Hub Core Product Category Rules and General Program Instructions.

Verified tools

Tool verifier: Magaly Gonzalez Vazquez
Tool verification validity: 27 March 2025 - 26 March 2028

Afzal khan Peerukhan as an authorized verifier for EPD Hub Limited 15.07.2026

VERIFIED ISO 14025