



ENVIRONMENTAL PRODUCT DECLARATION

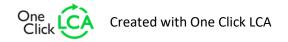
IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

Climecon Kitchen Ventilation Solutions Climecon Oy



EPD HUB, HUB-1816

Publishing date 20 September 2024, last updated on 20 September 2024, valid until 20 September 2029.









GENERAL INFORMATION

MANUFACTURER

Manufacturer	Climecon Oy
Address	Lämmittäjänkatu 4A, 00880 Helsinki, FINLAND
Contact details	info@climecon.fi
Website	https://climeconair.com/en-en/

EPD STANDARDS, SCOPE AND VERIFICATION

LI D STANDANDS, SCOTE	AND VERIFICATION
Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 und ISO 14025
PCR	EPD Hub Core PCR Version 1.1, 5 Dec 2023
Sector	Manufactured product
Category of EPD	Third party verified EPD
Parent EPD number	
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Emma Piha
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☐ External verification
EPD verifier	Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited

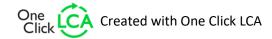
The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

Product name	Climecon kitchen ventilation solutions
Additional labels	CIL, COI, CTI
Product reference	-
Place of production	Pihtipudas, Finland
Period for data	Calendar year 2023
Averaging in EPD	Multiple products
Variation in GWP-fossil for A1-A3	+/- 3.4 %

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO₂e)	8,80E+00
GWP-total, A1-A3 (kgCO₂e)	7,71E+00
Secondary material, inputs (%)	83.8
Secondary material, outputs (%)	84.2
Total energy use, A1-A3 (kWh)	39.5
Net freshwater use, A1-A3 (m³)	0.09







PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

We are Climecon, a responsible forerunner in indoor air design. With our indoor air design, we take a holistic approach to the well-being of people, buildings, and the environment. We design our solutions and products in a human-centric way, taking into account the perspective and needs of different users.

PRODUCT DESCRIPTION

Climecon offers the safest and most energy efficient high-quality ventilation solutions for commercial kitchens. Our hoods, ceiling ventilation solutions, and products for general kitchen ventilation are designed to meet the needs of the even most demanding professional kitchens based on hygiene, functionality and especially design. Our ceiling ventilation solutions include a wide selection of different ventilation units such as supply air, capture air, exhaust air, and air curtain units that prevent dirty air from spreading outside the frying stations. The ceiling ventilation solutions can be equipped with dampening elements that silence efficiently noises and improve working conditions. The modular structure of the kitchen ventilation solutions enables the perfect fitting of different entities to meet the needs of the kitchen.

This environmental product declaration covers the environmental impacts of kitchen ventilation solutions manufactured by Climecon Oy in Pihtipudas, Finland. This EPD studies the environmental impacts of CIL air curtain, COI capture air unit, and CTI supply air device:

- COI capture air unit directs the grease fumes efficiently to grease filters
- CTI supply air device guarantee even and draft free air distribution in the kitchen
- CIL air curtain prevent grease steams from drifting outside the kitchen area

All kitchen solutions are available in all standard duct sizes up to 400%, and the product sizes are 1000-2000mm by 300-1000mm.

Further information can be found at https://climeconair.com/en-en/.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	100%	Finland
Minerals	-	-
Fossil materials	-	-
Bio-based materials	-	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

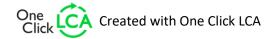
Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0.3

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg
Mass per declared unit	1 kg
Functional unit	-
Reference service life	-

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.

Pro	duct st	tage		mbly age			U	se sta	ge			E	nd of l	ife stag	ge	Beyond the system boundaries				
A1	A2	А3	A4	A5	B1	B2	В3	В4	В5	В6	В7	C1	C2	С3	C4		D			
×	×	×	×	×	MND	N N	MND	N N	N N	MND	MND	×	×	×	×		×			
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		

Modules not declared = MND. Modules not relevant = MNR

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.

The hot rolled stainless steel sheets are cut to specified shapes and bent mechanically in Climecons Kausala production site. Hydraulic oil is used

during the process to reduce the wear of machines and to ensure stable cutting and bending conditions. The parts are then trasported to Climecons Pihtipudas production site, where the final products are assembled with steel rivets. The final product includes electronic components purchased from a subcontractor.

The manufacturing process requires electricity for the different equipment as well as district heating. The steel waste produced at the plant is directed to recycling. Metal scrap was assessed based on manufacturer's long-term estimations. The loss of material is considered, as well as wastewater treatments. A wooden pallet, steel screws and packaging plastics are used as a packaging material for transporting the product from the factory gate.



TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.





The average distance of transportation from the production plant to the building site is assumed to be 350 km, which is the distance between the production plant and Climecon's headquarters in Helsinki. The transportation method is assumed to be a lorry. Vehicle capacity is assumed to be 100%, which means full load. In reality, it may vary, but as the role of transportation emissions in total results is small, the variety in load is assumed to be negligible. Transportation does not cause losses as products are packaged properly. Installation consumes 0.01 kWh of energy for assembling 1 kg of product. Treatment of packaging material waste (wood, steel, and plastic) is considered in this module. Moreover, direct emissions of carbon dioxide to the air are also considered to balance emissions of biogenic CO2.



PRODUCT USE AND MAINTENANCE (B1-B7)

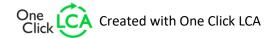
This EPD does not cover the use phase.

Air, soil, and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

Demolition is assumed to consume 0,01 kWh/kg of product. The source of energy is diesel fuel used by construction machines (C1). It is assumed that 100% of the waste is collected and transported to the waste treatment center. The transportation distance to treatment is assumed to be 50 km, and the transportation method is assumed to be a lorry (C2). Approximately 85% of steel, including the steel from both the product and the packaging, is assumed to be recycled, according to The World Steel Association (C3). It is assumed that the remaining 15% of steel is taken to the landfill for final disposal (C4). Due to the recycling process, the end-of-life product is converted into recycled steel, while the majority of the wood (97%) and plastic packaging (85%) are incinerated with energy recovery (D).

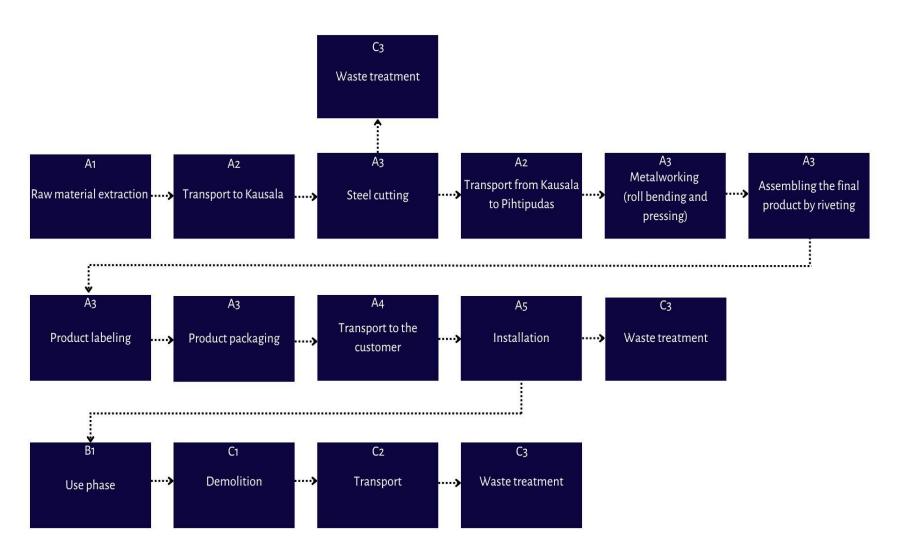








MANUFACTURING PROCESS







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.

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	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	Multiple products
Averaging method	Averaged by shares of total mass
Variation in GWP-fossil for A1-A3	+/- 3.4 %

This environmental product declaration covers Climecon Oy's ceiling ventilation product family manufactured in Pihtipudas, Finland. The EPD contains three products, COI, CIL, and CTI, in sizes 1000, 1500, and 2000.

All of the devices and sizes have the same manufacturing materials, process and locations. The difference occurs only in the amount of stainless steel, which then alters slighty the material composition. An average weight was used as the reference product. The emission density is the lowest in COI-1000 8.61E+00 and the highest in CTI-2000x1000, with GWP-fossil A1-A3 of 8.91E+00. The variation is 3.4%.

The EPD data can be scaled for different solution sizes by multiplying EPD result table by the mass of product.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.



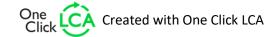


ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
GWP – total ¹⁾	kg CO₂e	8,32E+00	7,84E-02	-6,89E-01	7,71E+00	4,53E-02	1,13E+00	MND	3,31E-03	4,69E-03	2,19E-02	7,91E-04	-7,70E-01						
GWP – fossil	kg CO₂e	8,32E+00	7,84E-02	4,08E-01	8,80E+00	4,53E-02	2,46E-02	MND	3,31E-03	4,69E-03	2,19E-02	7,90E-04	-7,71E-01						
GWP – biogenic	kg CO₂e	0,00E+00	0,00E+00	-1,10E+00	-1,10E+00	1,75E-05	1,10E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00						
GWP – LULUC	kg CO₂e	8,44E-03	2,89E-05	3,11E-03	1,16E-02	1,67E-05	2,63E-05	MND	3,30E-07	1,73E-06	2,86E-05	7,46E-07	8,12E-04						
Ozone depletion pot.	kg CFC-11e	4,60E-07	1,80E-08	2,96E-08	5,07E-07	1,04E-08	9,64E-10	MND	7,07E-10	1,08E-09	2,35E-09	3,20E-10	-2,10E-08						
Acidification potential	mol H⁺e	4,56E-02	3,32E-04	2,34E-03	4,83E-02	1,92E-04	7,98E-05	MND	3,44E-05	1,99E-05	2,51E-04	7,43E-06	-2,91E-03						
EP-freshwater ²⁾	kg Pe	3,47E-04	6,42E-07	2,19E-05	3,70E-04	3,71E-07	2,00E-07	MND	1,10E-08	3,84E-08	9,53E-07	8,28E-09	-6,53E-06						
EP-marine	kg Ne	7,69E-03	9,86E-05	5,64E-04	8,36E-03	5,70E-05	3,29E-05	MND	1,52E-05	5,90E-06	5,33E-05	2,57E-06	-1,47E-05						
EP-terrestrial	mol Ne	8,50E-02	1,09E-03	6,61E-03	9,27E-02	6,29E-04	3,54E-04	MND	1,67E-04	6,51E-05	6,14E-04	2,83E-05	-7,91E-03						
POCP ("smog") ³)	kg NMVOCe	2,67E-02	3,48E-04	1,69E-03	2,88E-02	2,01E-04	8,95E-05	MND	4,59E-05	2,08E-05	1,69E-04	8,23E-06	-4,37E-03						
ADP-minerals & metals4)	kg Sbe	1,98E-04	1,84E-07	5,32E-06	2,03E-04	1,06E-07	3,88E-08	MND	1,68E-09	1,10E-08	2,51E-06	1,82E-09	-2,38E-05						
ADP-fossil resources	MJ	9,85E+01	1,18E+00	1,03E+01	1,10E+02	6,80E-01	1,56E-01	MND	4,45E-02	7,05E-02	2,62E-01	2,17E-02	-6,67E+00						
Water use ⁵⁾	m³e depr.	2,90E+00	5,27E-03	2,42E-01	3,15E+00	3,04E-03	2,62E-02	MND	1,20E-04	3,15E-04	4,46E-03	6,87E-05	3,04E-01						

¹⁾ GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation 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, PEF

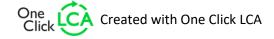
Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	C4	D
Particulate matter	Incidence	6,04E-07	9,03E-09	4,23E-08	6,55E-07	5,22E-09	9,15E-10	MND	9,22E-10	5,41E-10	3,42E-09	1,50E-10	-2,57E-08						
Ionizing radiation ⁶⁾	kBq U235e	8,37E-01	5,61E-03	4,10E-01	1,25E+00	3,24E-03	4,07E-03	MND	2,05E-04	3,36E-04	1,57E-03	9,80E-05	8,13E-03						
Ecotoxicity (freshwater)	CTUe	2,57E+02	1,06E+00	1,29E+01	2,71E+02	6,12E-01	1,61E-01	MND	2,68E-02	6,34E-02	1,23E+00	1,41E-02	-1,77E+01						
Human toxicity, cancer	CTUh	1,61E-07	2,60E-11	4,04E-10	1,62E-07	1,50E-11	1,81E-11	MND	1,03E-12	1,56E-12	3,67E-11	3,53E-13	7,87E-09						
Human tox. non-cancer	CTUh	1,93E-07	1,05E-09	7,55E-09	2,02E-07	6,06E-10	8,26E-10	MND	1,94E-11	6,27E-11	1,59E-09	9,24E-12	4,69E-08						
SQP ⁷⁾	-	4,74E+01	1,36E+00	1,24E+01	6,12E+01	7,84E-01	7,37E-02	MND	5,79E-03	8,12E-02	5,23E-01	4,63E-02	-2,79E+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	A4	A5	B1	B2	В3	B4	В5	В6	B7	C1	C2	С3	C4	D
Renew. PER as energy ⁸⁾	MJ	2,05E+01	1,33E-02	1,20E+01	3,26E+01	7,66E-03	2,12E-02	MND	2,54E-04	7,94E-04	4,04E-02	1,88E-04	-9,48E-01						
Renew. PER as material	MJ	0,00E+00	0,00E+00	9,84E+00	9,84E+00	0,00E+00	-9,84E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,38E+00						
Total use of renew. PER	MJ	2,05E+01	1,33E-02	2,19E+01	4,24E+01	7,66E-03	-9,82E+00	MND	2,54E-04	7,94E-04	4,04E-02	1,88E-04	8,44E+00						
Non-re. PER as energy	MJ	9,85E+01	1,18E+00	1,00E+01	1,10E+02	6,80E-01	1,56E-01	MND	4,45E-02	7,05E-02	2,62E-01	2,17E-02	-6,46E+00						
Non-re. PER as material	MJ	0,00E+00	0,00E+00	2,42E-01	2,42E-01	0,00E+00	-2,42E-01	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,42E-01						
Total use of non-re. PER	MJ	9,85E+01	1,18E+00	1,03E+01	1,10E+02	6,80E-01	-8,61E-02	MND	4,45E-02	7,05E-02	2,62E-01	2,17E-02	-6,22E+00						
Secondary materials	kg	8,38E-01	3,27E-04	3,46E-03	8,42E-01	1,89E-04	1,32E-04	MND	1,74E-05	1,96E-05	2,81E-04	4,55E-06	5,35E-01						
Renew. secondary fuels	MJ	2,90E-03	3,30E-06	2,18E-04	3,12E-03	1,91E-06	4,34E-07	MND	5,70E-08	1,97E-07	1,43E-05	1,19E-07	-2,75E-04						
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00						
Use of net fresh water	m³	8,56E-02	1,52E-04	8,65E-03	9,44E-02	8,81E-05	9,90E-07	MND	2,70E-06	9,13E-06	1,27E-04	2,37E-05	-2,14E-02						

⁸⁾ PER = Primary energy resources.







END OF LIFE – WASTE

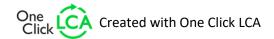
Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	B7	C1	C2	С3	C4	D
Hazardous waste	kg	7,02E+00	1,56E-03	3,35E-02	7,06E+00	9,02E-04	2,19E-04	MND	5,96E-05	9,34E-05	2,02E-03	0,00E+00	-4,72E-01						
Non-hazardous waste	kg	1,49E+01	2,56E-02	6,49E-01	1,56E+01	1,48E-02	3,69E-01	MND	4,19E-04	1,54E-03	5,11E-02	1,50E-01	-1,58E+00						
Radioactive waste	kg	3,07E-04	7,88E-06	9,44E-05	4,10E-04	4,55E-06	1,02E-06	MND	3,13E-07	4,71E-07	1,16E-06	0,00E+00	6,25E-07						

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	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	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00						
Materials for recycling	kg	0,00E+00	0,00E+00	2,70E+00	2,70E+00	0,00E+00	1,46E-02	MND	0,00E+00	0,00E+00	8,50E-01	0,00E+00	0,00E+00						
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00						
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,80E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00						

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	А3	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	С3	C4	D
Global Warming Pot.	kg CO₂e	8,18E+00	7,76E-02	4,03E-01	8,66E+00	4,48E-02	2,43E-02	MND	3,27E-03	4,64E-03	2,15E-02	7,74E-04	-7,14E-01						
Ozone depletion Pot.	kg CFC-11e	3,96E-07	1,43E-08	2,67E-08	4,37E-07	8,25E-09	8,04E-10	MND	5,60E-10	8,55E-10	1,90E-09	2,53E-10	-3,07E-08						
Acidification	kg SO₂e	3,79E-02	2,58E-04	1,78E-03	4,00E-02	1,49E-04	5,79E-05	MND	2,45E-05	1,54E-05	2,03E-04	5,61E-06	-2,31E-03						
Eutrophication	kg PO ₄ ³e	1,43E-02	5,87E-05	7,63E-04	1,51E-02	3,39E-05	5,46E-05	MND	5,69E-06	3,52E-06	6,31E-05	1,21E-06	-1,21E-03						
POCP ("smog")	kg C ₂ H ₄ e	1,90E-03	1,01E-05	1,06E-04	2,02E-03	5,82E-06	2,04E-06	MND	5,36E-07	6,03E-07	7,71E-06	2,35E-07	-5,76E-04						
ADP-elements	kg Sbe	1,97E-04	1,78E-07	5,31E-06	2,03E-04	1,03E-07	3,69E-08	MND	1,65E-09	1,07E-08	2,51E-06	1,79E-09	-2,38E-05						
ADP-fossil	MJ	9,85E+01	1,18E+00	9,87E+00	1,10E+02	6,80E-01	1,52E-01	MND	4,45E-02	7,05E-02	2,62E-01	2,17E-02	-6,66E+00						







VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? Read more online This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms ofthe data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

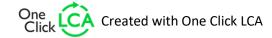
I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited

20.09.2024









ANNEX

Below, there are tables that determine the environmental impacts of each product size and type. Using the GWP-total, A1-A3 (kgCO2e) value the carbon emissions attributed to each product has been determined below.

CTI CONVERSION TABLE

Product name	Product mass (kg)	GWP-total A1-A3 (kgCO2e)
CTI-1000x300	11.3	87.1
CTI-1000x500	15.6	120.3
CTI-1000x800	22.0	169.6
CTI-1000x1000	26.5	204.3
CTI-1500x300	15.8	121.8
CTI-1500x500	22.5	173.5
CTI-1500x800	30.6	235.9
CTI-1500x1000	39.5	304.5
CTI-2000x300	21.3	164.2
CTI-2000x500	30.3	233.6
CTI-2000x800	42.0	323.8
CTI-2000x1000	50.0	385.5

COI CONVERSION TABLE

Product name	Product mass (kg)	GWP-total A1-A3 (kgCO2e)						
COI-1000	9.2	70.8						
COI-1500	12.7	98.1						
COI-2000	16.1	124.1						

CIL CONVERSION TABLE

Product name	Product mass (kg)	GWP-total A1-A3 (kgCO2e)					
CIL-1000	11.6	89.2					
CIL-1500	16.1	124.0					
CIL-2000	21.4	165.1					

