

# ENVIRONMENTAL PRODUCT DECLARATION

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

Lindab Sandwich Panel  
Lindab Profil AB

EPD Registration number: HUB-1703

Version: 1.0

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# GENERAL INFORMATION

## MANUFACTURER

Manufacturer	Lindab Profil AB
Address	Svartöns Industriområde 974 37 Luleå, Sweden
Contact details	order.profil@lindab.com
Website	<a href="https://www.lindab.com/">https://www.lindab.com/</a>

## EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, <a href="mailto:hub@epdhub.com">hub@epdhub.com</a>
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR version 1.1, 1 Feb 2022
Sector	Construction product
Category of EPD	Third party verified EPD
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Viktor Johansson
EPD verification	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal certification <input checked="" type="checkbox"/> External verification
EPD verifier	Haiha Nguyen, 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	Lindab Sandwich Panel
Additional labels	Please see attachment
Product reference	Please see attachment
Place of production	Luleå, Sweden
Period for data	Calendar year 2022
Averaging in EPD	-
Variation in GWP-fossil for A1-A3 %	-

*More information on page 7.*

## ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg of Lindab Sandwich Panel 200 LIGHT/BASE/PLUS
Declared unit mass	1 kg
GWP-fossil, A1-A3 (kgCO <sub>2</sub> e)	1.57
GWP-total, A1-A3 (kgCO <sub>2</sub> e)	1.53
Secondary material, inputs (%)	1.73
Secondary material, outputs (%)	30.3
Total energy use, A1-A3 (kWh)	7.49
Total water use, A1-A3 (m <sup>3</sup> e)	0.02

# MANUFACTURER

## ABOUT LINDAB

Lindab is a leading ventilation company in Europe, offering solutions for energy-efficient ventilation and a healthy indoor climate. The products are characterised by high quality, ease of installation and environmental thinking. In northern Europe, Lindab also offers an extensive range of roof, wall and rainwater systems.

## FOR A BETTER CLIMATE

We want to create a better climate. Most of us spend most of our time indoors. The air we breathe, in our homes, at our workplaces and at school, affects our well-being. Since air is not visible, we do not always think about it. However, the indoor climate is crucial for how we feel, for our energy levels and whether we stay healthy. Lindab wants to contribute to the architecture and indoor climate of tomorrow. We also want a better climate for our planet. That is why we develop energy-efficient solutions for healthy indoor environments



## THE IMPORTANCE OF CONSTRUCTION PRODUCTS

Ingenious systems for ceilings, walls, and floors to specially designed rivets, screws, and profiled sheeting profiles. All equal important parts of a well-functioning building. By choosing the right kind of facade or roof for example, we can create a durable, sustainable building that shortens the need for renovation and expands the life cycle. In that way we use our resources more efficiently and at the same time cut costs and unnecessary transportation and waste. All key ingredients in the EU Green Deal. When it comes to construction, it is not just a question of getting it done, but rather, getting it done right.



## SUSTAINABILITY PLAN

For us, sustainability is a way of thinking and working. This affects how we work with Lindab's strategy in all areas. Everything from the purchases we make, to the deliveries and the service we offer our customers. Lindab has three long-term, non-financial targets for the business, one that focuses on increasing our attractiveness as an employer, one for reducing our own carbon dioxide emissions, and one for a better working environment.

Read more about Lindab Groups sustainability work and non-financial targets on [www.lindabgroup.com](http://www.lindabgroup.com).



## STEEL – A SUSTAINABLE MATERIAL

Steel provides products with a long service life. Steel has many advantages over other materials – it has a very long service life, is non-combustible and meets hygiene requirements. Steel is a fully recyclable material and scrap steel has a strong market position: steel recovered from structures and end products at the end of their lifecycle is efficiently recycled and re-used. We prioritise cooperation with steel suppliers driving development towards fossil-free steel and whose carbon dioxide intensity values are good. The steel we use must be free of particularly hazardous substances.

The use of steel in Lindab's products is what contributes most to Lindab's CO<sub>2</sub> emissions. The transition to fossil-free steel is Lindab's most significant individual action in terms of its effect on the environment. Through our collaboration with SSAB and H2 Green Steel, we will also be among the first in Europe to have access to CO<sub>2</sub> reduced steel in 2026. When it becomes available, we will make use of it in a green product line.

# PRODUCT



## PRODUCT DESCRIPTION

Lindab sandwich panels are a series of insulated building elements for external walls and internal walls. The building elements are made of high-build-polyester-coated thin sheet metal with a stone wool core. The steel sheets can withstand corrosion class C4 and has a high UV resistance. A wide selection of different surface patterns and colours provide the opportunity to create decorative and stylish facades in an efficient and economical way.

The panels can be obtained in a variety of plate thicknesses and of different sizes: 70, 100, 120, 150, 200, 240 and 300. From these sizes, three types of mineral wool can be chosen, LIGHT, BASE or PLUS.

This EPD covers the products listed in the table below, together with their scaling factor and GWP-GHG A1-A3. The reference product, Sandwich Panel mineral wool Light/Base/Plus in size 200 has been calculated and chosen by the number of sales for the reference year. To calculate the Environmental Impact Data of 1 kg for the different products use the scaling factor of the corresponding size according to the following:

*Reference product environmental impact per 1 kg x scaling factor of product size x weight of the product*

Example:

*1.57 (reference product GWP-FOSSIL/GWP-GHG) x 1.204 (Scaling factor size 100) x weight of the product*

Size	Product description	Unit	Scaling factor GWP-Fossil GWP-GHG	Scaling factor GWP-total
70	Sandwich Panel mineral wool Light/Base/Plus	1 kg	1.299	1.314
100	Sandwich Panel mineral wool Light/Base/Plus	1 kg	1.204	1.216
120	Sandwich Panel mineral wool Light/Base/Plus	1 kg	1.146	1.157
150	Sandwich Panel mineral wool Light/Base/Plus	1 kg	1.083	1.092
200	Sandwich Panel mineral wool Light/Base/Plus	1 kg	1.000	1.000
240	Sandwich Panel mineral wool Light/Base/Plus	1 kg	0.949	0.948
300	Sandwich Panel mineral wool Light/Base/Plus	1 kg	0.904	0.908

Further information can be found at <https://www.lindab.com/Catalog/building-products/>

## PRODUCT RAW MATERIAL MAIN COMPOSITION VP

Raw material category	Amount, mass- %	Material origin
Metals	38	EU
Minerals	57	EU
Fossil materials	5	EU
Bio-based materials	-	-

## BIOGENIC CARBON CONTENT VP

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0,009

## FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg of Sandwich Panel 200 LIGHT/BASE/PLUS
Mass per declared unit	1 kg
Functional unit	-
Reference service life	50 years

## SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm). More detailed information about the products material content can be found in the Building Product Declaration available [online](#).

# 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	x	x	MND	MND	MND	MND	MND	MND	MND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demol.	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 panels consist of mineral wool bonded between two steel sheets. The steel raw material is made of hot-dipped galvanized steel that is coated with a polyester based colour. It is delivered from the supplier in coils via lorry and train. During production, two coils of colour coated steel is rolled out and the corners are formed. Mineral wool is cut in to strips and in the ordered amount, depending on the thickness of the panel, are placed between the steel sheets. Glue is added to the steel and wool and then go through a pressing process where pressure and electrical generated heat are added. The production loss is managed by a supplier for recycling.

The manufacturing process requires electricity and fuels for the different equipment. Lubricating oil is used for certain machines to increase the lifetime of parts. Wastewater treatment is also considered. OSB-board, wooden strands, and cardboard, as well as LDPE and PE plastics are used as packaging material for transporting stacked Sandwich Panels from the factory gate. The OSB-board and wooden strands are FSC or PEFC certified.



## 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 weighted average distance to customers is 984 km by road. Installation spills and handling of packaging material is considered.

### Transport from production place to user (A4)

To	Total dist. (km)	Transportation method
Sweden	903	lorry
Norway	1132	lorry
Denmark	1554	lorry

## PRODUCT USE AND MAINTENANCE (B1-B7)

This EPD does not cover the use phase. These life cycle stages are dependent on how the product is used and should be developed and included as part of a holistic assessment of specific construction works.

## PRODUCT END OF LIFE (C1-C4, D)

Energy (0,1kWh) for deconstruction is included in C1, and activities related to steel recycling is included in C3. Secondary material in the steel raw material is also deducted and accounts for 8% of the product. Distance to waste handling is assumed to be 50 km.

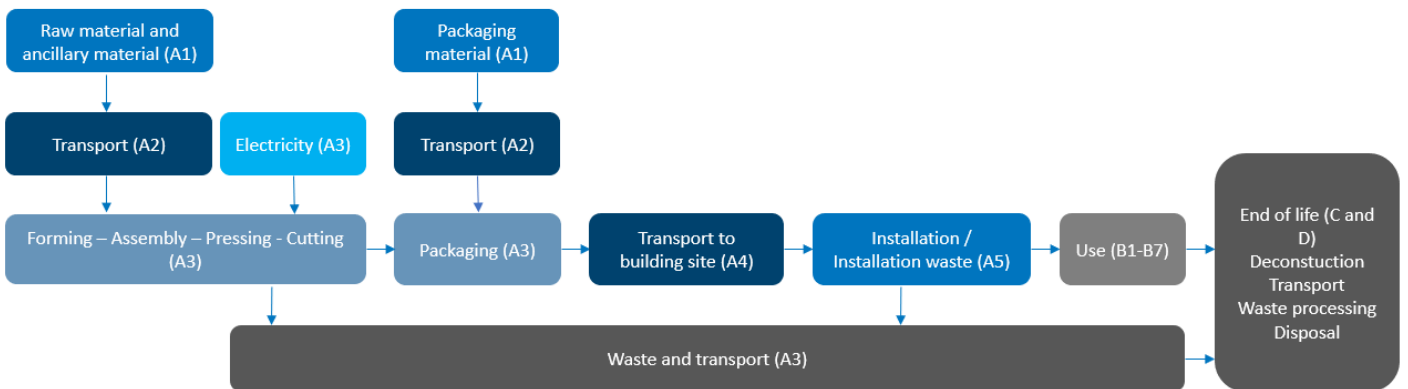
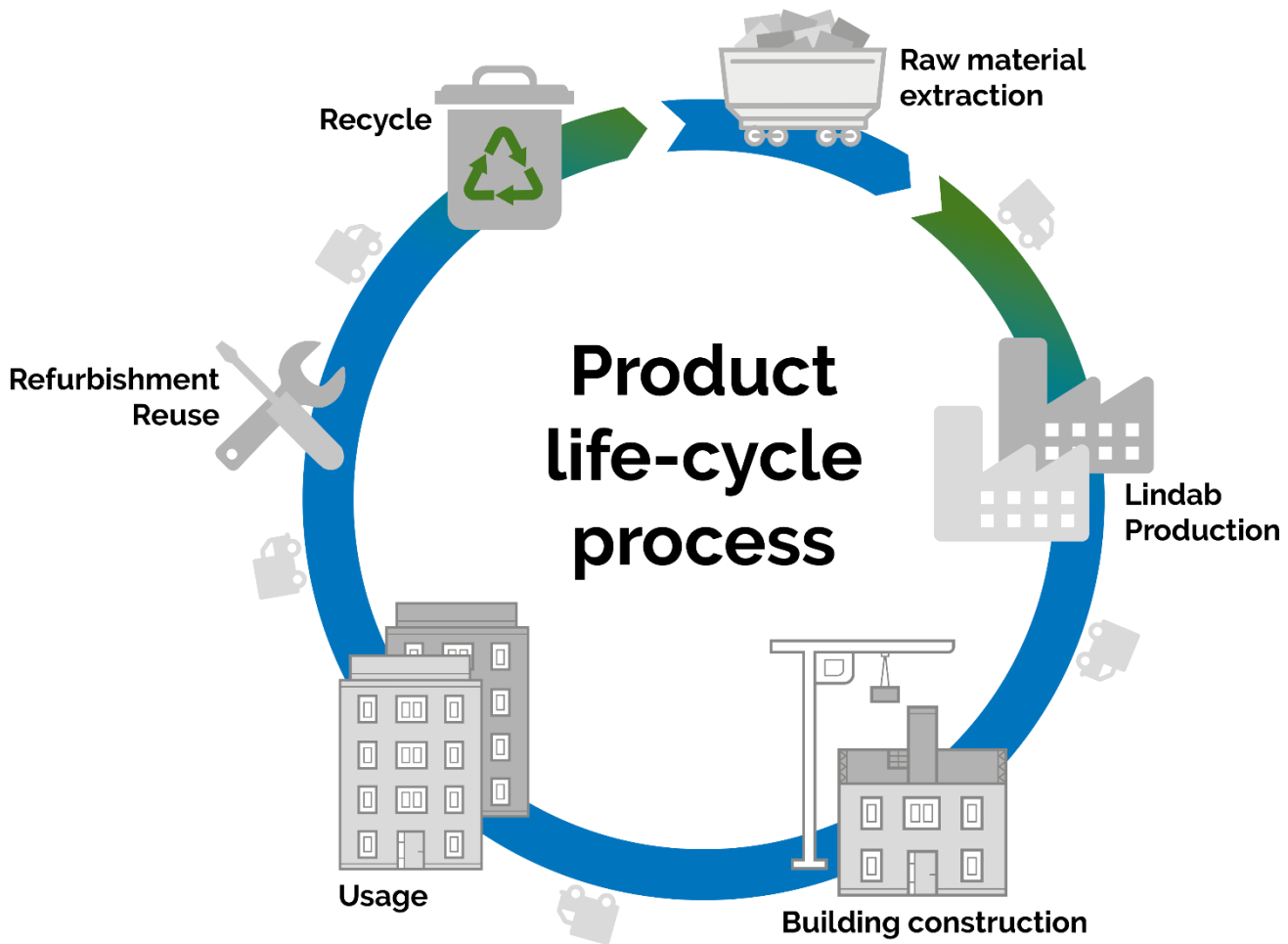
### End of Life (A5, C3, C4, D)

	%	Source
Steel to recycling	95	World Steel 2017
Steel to landfill	5	World Steel 2017
Mineral wool to landfill	100	Supplier EPD 2023
Cardboard to recycling	82	Eurostat 2020
Cardboard to incineration	18	Eurostat 2020
LDPE to recycling	40	Plastic Europe 2022
LDPE to incineration	58	Plastic Europe 2022
LDPE to landfill	2	Plastic Europe 2022
Wood to incineration	98	Eurostat 2018
Wood to landfill	2	Eurostat 2018
PP to recycling	40	Plastic Europe 2022
PP to incineration	58	Plastic Europe 2022
PP to landfill	2	Plastic Europe 2022

### Transport to waste processing (C2)

Type	Distance
Lorry	50 km

# 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. While cut-off criteria according to the PCR were employed, much data which would have fallen within that scope were included regardless resulting in a data set which is robust and captures all significant contributors to the LCA results.

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 materials	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 revenue
Variation in GWP-fossil for A1-A3 %	13 %

## 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. Specific data from Lindab Steel have been used and for other inputs Ecoinvent 3.6 and One Click LCA databases were used 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	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – TOTAL	kg CO <sub>2</sub> e	1,47E+00	7,55E-02	-1,33E-02	1,53E+00	9,59E-02	5,93E-02	MND	MND	MND	MND	MND	MND	MND	4,95E-03	4,76E-03	6,13E-02	3,62E-03	-4,16E-01
GWP – FOSSIL	kg CO <sub>2</sub> e	1,47E+00	7,55E-02	1,90E-02	1,57E+00	9,58E-02	2,64E-02	MND	MND	MND	MND	MND	MND	MND	4,63E-03	4,76E-03	6,13E-02	3,62E-03	-4,16E-01
GWP – BIOGENIC	kg CO <sub>2</sub> e	0,00E+00	0,00E+00	-3,27E-02	-3,27E-02	3,71E-05	3,29E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
GWP – LULUC	kg CO <sub>2</sub> e	5,80E-04	5,20E-05	4,91E-04	1,12E-03	3,54E-05	1,98E-05	MND	MND	MND	MND	MND	MND	MND	3,25E-04	1,76E-06	9,48E-06	3,41E-06	-9,77E-05
OZONE DEPLETION POT.	kg CFC-11e	2,04E-08	1,55E-08	1,28E-09	3,72E-08	2,20E-08	3,04E-09	MND	MND	MND	MND	MND	MND	MND	2,26E-10	1,09E-09	1,09E-09	1,46E-09	-1,68E-08
ACIDIFICATION POTENTIAL	mol H <sup>+</sup> e	8,13E-03	3,33E-04	1,04E-04	8,56E-03	4,06E-04	1,02E-04	MND	MND	MND	MND	MND	MND	MND	3,23E-05	2,01E-05	1,33E-04	3,40E-05	-1,77E-03
EP-FRESHWATER	kg Pe	4,10E-05	1,38E-06	8,07E-07	4,31E-05	7,85E-07	7,09E-07	MND	MND	MND	MND	MND	MND	MND	2,52E-07	3,90E-08	3,89E-07	3,80E-08	-1,75E-05
EP-MARINE	kg Ne	1,36E-03	9,12E-05	2,64E-05	1,48E-03	1,21E-04	1,69E-05	MND	MND	MND	MND	MND	MND	MND	5,52E-06	5,99E-06	4,42E-05	1,18E-05	-3,65E-04
EP-TERRESTRIAL	mol Ne	2,65E-02	1,01E-03	2,93E-04	2,78E-02	1,33E-03	2,29E-04	MND	MND	MND	MND	MND	MND	MND	6,94E-05	6,61E-05	4,59E-04	1,29E-04	-4,38E-03
POCP (“SMOG”)	kg NMVOCe	3,34E-03	3,21E-04	8,88E-05	3,75E-03	4,26E-04	6,76E-05	MND	MND	MND	MND	MND	MND	MND	1,64E-05	2,11E-05	1,17E-04	3,76E-05	-2,10E-03
ADP-MINERALS & METALS	kg Sbe	5,84E-05	2,23E-07	2,25E-07	5,88E-05	2,25E-07	4,42E-07	MND	MND	MND	MND	MND	MND	MND	3,17E-07	1,12E-08	9,18E-07	8,33E-09	-7,75E-06
ADP-FOSSIL RESOURCE	MJ	1,12E+01	1,16E+00	1,21E+00	1,36E+01	1,44E+00	3,52E-01	MND	MND	MND	MND	MND	MND	MND	6,27E-01	7,15E-02	1,21E-01	9,90E-02	-3,68E+00
WATER USE	m <sup>3</sup> e depr.	7,10E-01	9,33E-03	4,13E-02	7,60E-01	6,44E-03	5,62E-03	MND	MND	MND	MND	MND	MND	MND	2,40E-02	3,20E-04	3,78E-03	3,15E-04	-7,96E-02

## USE OF NATURAL RESOURCES

IMPACT CATEGORY	UNIT	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy <sup>8)</sup>	MJ	7,27E+00	3,93E-02	7,29E-01	8,04E+00	1,62E-02	6,46E-02	MND	MND	MND	MND	MND	MND	MND	2,60E-01	8,05E-04	1,68E-02	8,64E-04	-6,65E-01
Renew. PER as material	MJ	1,90E-01	0,00E+00	3,29E-01	5,19E-01	0,00E+00	-3,29E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	-1,90E-01	0,00E+00
Total use of renew. PER	MJ	7,46E+00	3,93E-02	1,06E+00	8,56E+00	1,62E-02	-2,65E-01	MND	MND	MND	MND	MND	MND	MND	2,60E-01	8,05E-04	1,68E-02	-1,89E-01	-6,65E-01
Non-re. PER as energy	MJ	1,67E+01	1,16E+00	1,09E+00	1,89E+01	1,44E+00	3,10E-01	MND	MND	MND	MND	MND	MND	MND	6,25E-01	7,15E-02	1,21E-01	9,90E-02	-
Non-re. PER as material	MJ	1,75E-01	0,00E+00	1,20E-01	2,95E-01	0,00E+00	-6,08E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	-2,34E-01	0,00E+00
Total use of non-re. PER	MJ	1,68E+01	1,16E+00	1,21E+00	1,92E+01	1,44E+00	2,50E-01	MND	MND	MND	MND	MND	MND	MND	6,25E-01	7,15E-02	1,21E-01	-1,35E-01	-
Secondary materials	kg	1,73E-02	5,58E-04	1,50E-02	3,28E-02	4,00E-04	3,08E-04	MND	MND	MND	MND	MND	MND	MND	5,66E-05	1,98E-05	1,12E-04	2,09E-05	2,12E-01
Renew. secondary fuels	MJ	8,59E-11	3,36E-06	8,06E-05	8,40E-05	4,03E-06	1,52E-05	MND	MND	MND	MND	MND	MND	MND	2,35E-07	2,00E-07	5,71E-06	5,45E-07	6,66E-05
Non-ren. secondary fuels	MJ	1,09E-09	0,00E+00	0,00E+00	1,09E-09	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m <sup>3</sup>	2,17E-02	2,72E-04	1,34E-03	2,34E-02	1,86E-04	1,72E-04	MND	MND	MND	MND	MND	MND	MND	6,05E-04	9,26E-06	1,56E-04	1,08E-04	-1,06E-03

## END OF LIFE – WASTE

IMPACT CATEGORY	UNIT	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	2,16E-02	2,53E-03	1,25E-03	2,54E-02	1,91E-03	5,55E-04	MND	MND	MND	MND	MND	MND	MND	5,22E-04	9,48E-05	6,22E-04	5,85E-07	-1,43E-01
Non-hazardous waste	kg	3,41E-02	5,96E-02	6,39E-02	1,58E-01	3,14E-02	2,90E-02	MND	MND	MND	MND	MND	MND	MND	1,41E-02	1,56E-03	3,98E-02	6,85E-01	-6,73E-01
Radioactive waste	kg	2,58E-04	7,67E-06	1,43E-05	2,80E-04	9,63E-06	3,42E-06	MND	MND	MND	MND	MND	MND	MND	9,62E-06	4,78E-07	5,36E-07	1,91E-09	4,59E-08



## END OF LIFE – OUTPUT FLOWS

IMPACT CATEGORY	UNIT	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	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	MND	MND	MND	MND	MND	MND	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	4,40E-03	4,40E-03	0,00E+00	1,58E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	3,08E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	6,48E-05	6,48E-05	0,00E+00	1,31E-02	MND	MND	MND	MND	MND	MND	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	8,34E-04	8,34E-04	0,00E+00	5,54E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	2,12E-01	0,00E+00	0,00E+00

## ENVIRONMENTAL IMPACTS – GWP GHG – THE INTERNATIONAL EPD SYSTEM

IMPACT CATEGORY	UNIT	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG	kg	1,47E+00	7,55E-02	1,90E-02	1,57E+00	9,58E-02	2,64E-02	MND	MND	MND	MND	MND	MND	MND	4,63E-03	4,76E-03	6,13E-02	3,62E-03	-4,16E-01

# 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 of the 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.

Haiha Nguyen, as an authorized verifier acting for EPD Hub Limited

08.11.2024



## ANNEX: ENVIRONMENTAL IMPACT INDICATORS IN M<sub>2</sub>

Product	Weight	GWP-Total A1-A3	GWP-Fossil A1-A3	GWP-GHG A1-A3
		m <sub>2</sub>	m <sub>2</sub>	m <sub>2</sub>
70 LIGHT 05/05	13,7	27,54	27,95	27,95
70 LIGHT 06/05	14,5	29,15	29,58	29,58
70 LIGHT 06/06	15,3	30,75	31,21	31,21
70 LIGHT 06/07	16,2	32,56	33,05	33,05
70 BASE 05/05	14,7	29,55	29,99	29,99
70 BASE 06/05	15,5	31,16	31,62	31,62
70 BASE 06/06	16,3	32,76	33,25	33,25
70 BASE 06/07	17,2	34,57	35,09	35,09
70 PLUS* 05/05	17,3	34,77	35,29	35,29
70 PLUS* 06/05	18,1	36,38	36,92	36,92
70 PLUS* 06/06	19,0	38,19	38,76	38,76
70 PLUS* 06/07	19,8	39,80	40,39	40,39
100 LIGHT 05/05	15,9	29,57	30,05	30,05
100 LIGHT 06/05	16,7	31,06	31,56	31,56
100 LIGHT 06/06	17,5	32,55	33,08	33,08
100 LIGHT 06/07	18,4	34,22	34,78	34,78
100 BASE 05/05	17,3	32,18	32,70	32,70
100 BASE 06/05	18,2	33,85	34,40	34,40
100 BASE 06/06	19,0	35,34	35,91	35,91
100 BASE 06/07	19,8	36,83	37,42	37,42
100 PLUS* 05/05	21,0	39,06	39,69	39,69
100 PLUS* 06/05	21,8	40,55	41,20	41,20
100 PLUS* 06/06	22,6	42,04	42,71	42,71
100 PLUS* 06/07	23,5	43,71	44,42	44,42

\*BF included

Product	Weight	GWP-Total A1-A3	GWP-Fossil A1-A3	GWP-GHG A1-A3
		m2	m2	m2
120 LIGHT 05/05	17,4	30,80	31,32	31,32
120 LIGHT 06/05	18,2	32,21	32,76	32,76
120 LIGHT 06/06	19,0	33,63	34,20	34,20
120 LIGHT 06/07	19,9	35,22	35,82	35,82
120 BASE 05/05	19,1	33,81	34,38	34,38
120 BASE 06/05	20,0	35,40	36,00	36,00
120 BASE 06/06	20,8	36,82	37,44	37,44
120 BASE 06/07	21,6	38,23	38,88	38,88
120 PLUS* 05/05	23,5	41,60	42,30	42,30
120 PLUS* 06/05	24,3	43,01	43,74	43,74
120 PLUS* 06/06	25,1	44,43	45,18	45,18
120 PLUS* 06/07	26,0	46,02	46,80	46,80
150 LIGHT 05/05	19,7	32,90	33,49	33,49
150 LIGHT 06/05	20,5	34,24	34,85	34,85
150 LIGHT 06/06	21,3	35,57	36,21	36,21
150 LIGHT 06/07	22,1	36,91	37,57	37,57
150 BASE* 05/05	21,9	36,57	37,23	37,23
150 BASE* 06/05	22,7	37,91	38,59	38,59
150 BASE* 06/06	23,5	39,25	39,95	39,95
150 BASE* 06/07	24,3	40,58	41,31	41,31
150 PLUS* 05/05	27,3	45,59	46,41	46,41
150 PLUS* 06/05	28,1	46,93	47,77	47,77
150 PLUS* 06/06	28,9	48,26	49,13	49,13
150 PLUS* 06/07	29,8	49,77	50,66	50,66

\*BF included

Product	Weight	GWP-Total A1-A3	GWP-Fossil A1-A3	GWP-GHG A1-A3
		m2	m2	m2
200 LIGHT 05/05	23,4	35,80	36,74	36,74
200 LIGHT 06/05	24,2	37,03	37,99	37,99
200 LIGHT 06/06	25,0	38,25	39,25	39,25
200 LIGHT 06/07	25,9	39,63	40,66	40,66
200 BASE* 05/05	26,3	40,24	41,29	41,29
200 BASE* 06/05	27,2	41,62	42,70	42,70
200 BASE* 06/06	28,0	42,84	43,96	43,96
200 BASE* 06/07	28,8	44,06	45,22	45,22
200 PLUS* 05/05	33,5	51,26	52,60	52,60
200 PLUS* 06/05	34,3	52,48	53,85	53,85
200 PLUS* 06/06	35,1	53,70	55,11	55,11
200 PLUS* 06/07	36,0	55,08	56,52	56,52
240 LIGHT 05/05	26,4	38,28	39,34	39,34
240 LIGHT 06/05	27,2	39,44	40,53	40,53
240 LIGHT 06/06	28,0	40,60	41,72	41,72
240 LIGHT 06/07	28,9	41,91	43,06	43,06
240 BASE* 05/05	29,9	43,36	44,55	44,55
240 BASE* 06/05	30,8	44,66	45,89	45,89
240 BASE* 06/06	31,6	45,82	47,08	47,08
240 BASE* 06/07	32,4	46,98	48,28	48,28
240 PLUS* 05/05	38,5	55,83	57,37	57,37
240 PLUS* 06/05	39,3	56,99	58,56	58,56
240 PLUS* 06/06	40,1	58,15	59,75	59,75
240 PLUS* 06/07	41,0	59,45	61,09	61,09

\*BF included



Product	Weight	GWP-Total A1-A3	GWP-Fossil A1-A3	GWP-GHG A1-A3
		m2	m2	m2
300 LIGHT 05/05	30,9	42,95	43,88	43,88
300 LIGHT 06/05	31,7	44,06	45,01	45,01
300 LIGHT 06/06	32,5	45,18	46,15	46,15
300 LIGHT 06/07	33,4	46,43	47,43	47,43
300 BASE* 05/05	35,3	49,07	50,13	50,13
300 BASE* 06/05	36,2	50,32	51,40	51,40
300 BASE* 06/06	37,0	51,43	52,54	52,54
300 BASE* 06/07	37,8	52,54	53,68	53,68
300 PLUS* 05/05	46,0	63,94	65,32	65,32
300 PLUS* 06/05	46,8	65,05	66,46	66,46
300 PLUS* 06/06	47,6	66,16	67,59	67,59
300 PLUS* 06/07	48,5	67,42	68,87	68,87

\*BF included