

ENVIRONMENTAL PRODUCT DECLARATION

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

Lindab metal coated steel Hot dip galvanized Lindab Steel AB

EPD HUB, HUB-0463

Publishing date 12 May 2023, last updated date 12 May 2023, valid until 12 May 2028





GENERAL INFORMATION

MANUFACTURER

| Manufacturer | Lindab Steel AB |
|-----------------|--|
| Address | Stålhögavägen 117, 269 82 Båstad, Sweden |
| Contact details | order.steel@lindab.com |
| Website | https://www.lindab.com |

EPD STANDARDS, SCOPE AND VERIFICATION

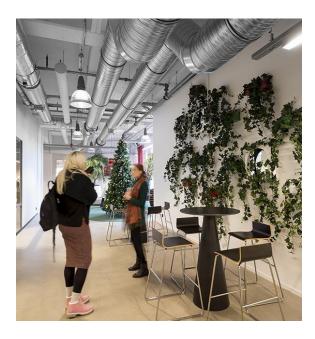
| Program operator | EPD Hub, hub@epdhub.com |
|--------------------|--|
| Reference standard | EN 15804+A2:2019 and ISO 14025 |
| PCR | EPD Hub Core PCR version 1.0, 1 Feb 2022 |
| Sector | Construction product |
| Category of EPD | Third party verified EPD |
| Scope of the EPD | Cradle to gate with options, A4-A5, and modules C1-C4, D |
| EPD author | Cecilia Cederek |
| EPD verification | Independent verification of this EPD and data, according to ISO 14025: □ Internal certification ☑ External verification |
| | |
| EPD verifier | S.V 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 metal coated steel Hot dip galvanized |
|-----------------------------------|---|
| Additional labels | |
| Product reference | FA, FA-C, FA-D, FAM S250, S250-C, S250-D, S280, S350, S350-D |
| Place of production | Grevie, Sweden |
| Period for data | Calendar year 2022 |
| Averaging in EPD | No averaging |
| Variation in GWP-fossil for A1-A3 | - |
| Maya information on page 7 | |

More information on page 7.

ENVIRONMENTAL DATA SUMMARY

| Declared unit | 1 kg of metal coated steel HDG |
|---------------------------------|--------------------------------|
| Declared unit mass | 1 kg |
| GWP-fossil, A1-A3 (kgCO2e) | 2,63 |
| GWP-total, A1-A3 (kgCO2e) | 2,62 |
| Secondary material, inputs (%) | 4,96 |
| Secondary material, outputs (%) | 95,0 |
| Total energy use, A1-A3 (kWh) | 8,46 |
| Total water use, A1-A3 (m3e) | 0,0292 |







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 a majority 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 efficient 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.



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 CO2 emissions. The transition to decarbonised 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 near-zero and fossil free steel in 2026.







PRODUCT







PRODUCT DESCRIPTION

Hot-dipped galvanized (HDG) steel consists of a core of steel that is coated with a rust protection of 100% zinc by immersing the metal in a bath of molten zinc at a temperature of around 450 °C. The galvanized steel is delivered in wide coils, slit coils, or sheets. It can be processed by conventional processing operations such as bending, drawing, clinching, profiling, stamping, welding etc. and contains approximately 20% of recycled scrap steel.

A zinc coating protects the steel from corrosion in two ways. It serves as a protective layer keeping oxygen and water away from the steel, but it also acts as a cathodic protection. This means that at cut edges or in case of damages through the zinc coating, the coating will sacrifice itself and react to form protective compounds and block further corrosion processes. The zinc coating covers the steel on both sides. In addition, a zinc coating can improve formability, resistance welding properties and paintability.

The product is available in various qualities, thicknesses, widths and coating masses. For current assortment please contact your sales representative or visit our webpage, www.lindab.se.

Conversion table: Weight per m² (linear correlation)

| Thickness (mm) | Kg/m² |
|----------------|-------|
| 0,4 | 3,14 |
| 1,0 | 7,85 |
| 3,0 | 23,55 |







PRODUCT RAW MATERIAL MAIN COMPOSITION VP

| Raw material category | Amount, mass- % | Material origin |
|-----------------------|-----------------|-----------------|
| Metals | 100 | EU/Asia |
| Minerals | | |
| Fossil materials | | |
| Bio-based materials | | |

BIOGENIC CARBON CONTENT VP

Product's biogenic carbon content at the factory gate

| Biogenic carbon content in product, kg C | 0,0 |
|--|--------|
| Biogenic carbon content in packaging, kg C | 0,0052 |

FUNCTIONAL UNIT AND SERVICE LIFE

| Declared unit | 1kg of metal coated steel HDG |
|------------------------|-------------------------------|
| Mass per declared unit | 1kg |
| Functional unit | |
| Reference service life | 60 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 | | | | | | Er | End of life stage Beyond the system boundaries | | | n | | | | |
|---------------|-----------|----------------|-----------|-----------|-----|-------------|--------|-------------|---------------|------------------------|--|------------------|-----------|------------------|----------|-------|----------|-----------|
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | | D | |
| х | х | х | х | х | MND | MND | MND | MND | MND | MND | MND | х | х | х | х | | Х | |
| 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 generated 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 steel raw material is received by Lindab Group's own steel service centre, Lindab Steel AB. After a quality control the most suitable coil is selected for the manufacturing orders, to minimize scrap. The coil is slitted into correct dimensions, re-coiled or cut to length. For protection and transport purposes, the units are protected with a composite material with a mix of paper and plastic, wooden pallets, steel strap and steel edge protection.

Before packing and shipping each unit gets a unique ID number for traceability.









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. Installation spills and handling of packaging material is considered. Material loss during installation is estimated to be zero.

Transport from production place to user (A4)

| То | Total dist. (km) | Transportation method |
|----|------------------|-----------------------|
| EU | 350 | 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. A recycling rate of 95% (according to World Steel Association, 2017) and landfill rate of 5% has been assumed for the product. That is to be seen as the proportion of the material in the product that will be recycled in a subsequent system. External scrap in the raw material is also deducted and accounts for 20%. Hence the net flow to be credited in module D is 76%. See below tables for scenarios used in Modules C and D, based on national and EU statistics.

Transport to waste processing scenario (C2)

| Туре | Distance |
|-------|----------|
| Lorry | 50 km |

End of Life Scenarios (C3, C4, D)

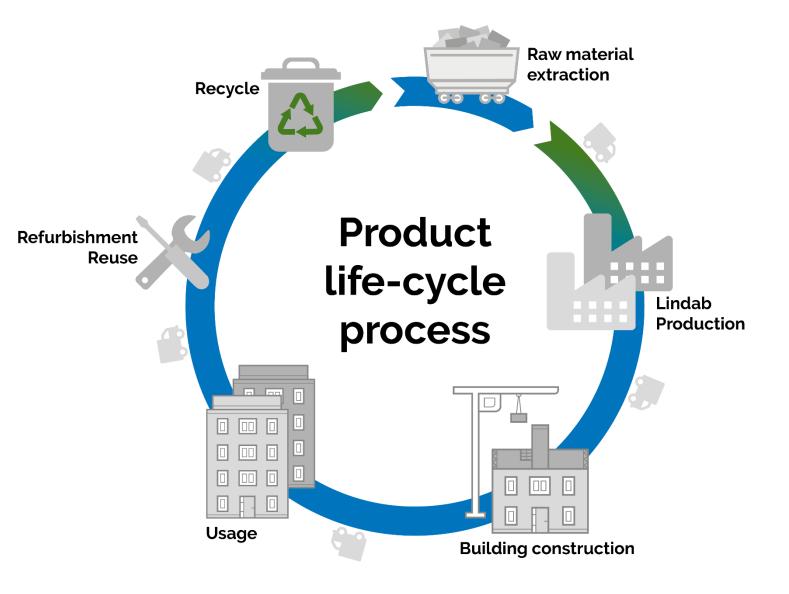
| | % | |
|-------------------------|----|--|
| Steel to recycling | 95 | |
| Steel to landfill | 5 | |
| Paper to recycling | 79 | |
| Paper to incineration | 21 | |
| Plastic to recycling | 47 | |
| Plastic to incineration | 53 | |
| Wood to recycling | 50 | |
| Wood to reuse | 50 | |







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, if available, 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 | No averaging |
|-----------------------------------|----------------|
| Averaging method | Not applicable |
| Variation in GWP-fossil for A1-A3 | Not applicable |

This EPD is product and factory specific and does not contain average calculations.

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. Data from World Steel Association, Arcelor and SSAB have been used to represent the raw material. 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 | А3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|-------------------------|--------------|----------|---------|----------|----------|---------|---------|-----|-----|-----|-----|-----|-----|-----|---------|---------|----------|----------|----------|
| GWP – TOTAL | kg CO₂e | 2,58E0 | 4,55E-2 | -4,86E-3 | 2,62E0 | 3,06E-2 | 2,52E-2 | MND | 5,59E-3 | 4,36E-3 | 2,55E-2 | 2,64E-4 | -1,45E0 |
| GWP – FOSSIL | kg CO₂e | 2,58E0 | 4,54E-2 | 1,16E-2 | 2,63E0 | 3,09E-2 | 5,61E-3 | MND | 5,06E-3 | 4,35E-3 | 2,71E-2 | 2,63E-4 | -1,45E0 |
| GWP – BIOGENIC | kg CO₂e | 2,81E-3 | 7,08E-5 | -1,65E-2 | -1,36E-2 | 2,34E-5 | 1,92E-2 | MND | 2E-4 | 3,3E-6 | -1,61E-3 | 5,22E-7 | 4,62E-3 |
| GWP – LULUC | kg CO₂e | 4,23E-4 | 3,15E-5 | 1,71E-5 | 4,71E-4 | 9,71E-6 | 3,29E-4 | MND | 3,29E-4 | 1,37E-6 | 3,18E-5 | 7,82E-8 | -2,87E-4 |
| OZONE DEPLETION POT. | kg CFC-11e | 1,39E-12 | 8,85E-9 | 9,84E-10 | 9,83E-9 | 7,59E-9 | 2,51E-9 | MND | 2,48E-9 | 1,07E-9 | 3,31E-9 | 1,08E-10 | -4,68E-8 |
| ACIDIFICATION POTENTIAL | mol H⁺e | 5,71E-3 | 7,48E-4 | 7,6E-5 | 6,54E-3 | 9,94E-5 | 3,42E-5 | MND | 3,29E-5 | 1,4E-5 | 3E-4 | 2,5E-6 | -7,13E-3 |
| EP-FRESHWATER | kg Pe | 1,43E-6 | 7,11E-7 | 6,95E-7 | 2,84E-6 | 2,62E-7 | 4,51E-7 | MND | 4,41E-7 | 3,7E-8 | 1,57E-6 | 3,18E-9 | -8,7E-5 |
| EP-MARINE | kg Ne | 1,33E-3 | 1,98E-4 | 1,43E-5 | 1,54E-3 | 2,18E-5 | 5,95E-6 | MND | 5,64E-6 | 3,08E-6 | 6,66E-5 | 8,61E-7 | -1,39E-3 |
| EP-TERRESTRIAL | mol Ne | 1,4E-2 | 2,2E-3 | 2,07E-4 | 1,64E-2 | 2,43E-4 | 7,75E-5 | MND | 7,39E-5 | 3,43E-5 | 7,68E-4 | 9,48E-6 | -1,57E-2 |
| POCP ("SMOG") | kg NMVOCe | 4,51E-3 | 5,85E-4 | 5,77E-5 | 5,15E-3 | 9,54E-5 | 1,79E-5 | MND | 1,68E-5 | 1,34E-5 | 2,1E-4 | 2,75E-6 | -7,5E-3 |
| ADP-MINERALS & METALS | kg Sbe | 1,63E-4 | 4,32E-7 | 2,66E-7 | 1,63E-4 | 5,5E-7 | 2,08E-7 | MND | 2,04E-7 | 7,75E-8 | 1,33E-6 | 2,41E-9 | -2,61E-5 |
| ADP-FOSSIL RESOURCE | MJ | 2,67E1 | 5,86E-1 | 1,69E-1 | 2,74E1 | 5,02E-1 | 5,96E-1 | MND | 5,93E-1 | 7,07E-2 | 3,33E-1 | 7,36E-3 | -1,19E1 |
| WATER USE | m³e depr. | 4,99E-1 | 3,17E-3 | 4,67E-3 | 5,07E-1 | 1,87E-3 | 7,81E-3 | MND | 7,77E-3 | 2,63E-4 | 5,26E-3 | 3,4E-4 | -6,78E-1 |





USE OF NATURAL RESOURCES

| IMPACT CATEGORY | UNIT | A1 | A2 | А3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | C3 | C4 | D |
|------------------------------------|----------------|----------|---------|---------|----------|---------|----------|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|---------|----------|
| Renew. PER as energy ⁸⁾ | MJ | 1,76E0 | 1,86E-2 | 9,88E-2 | 1,88E0 | 6,31E-3 | 2,85E-1 | MND | 2,85E-1 | 8,9E-4 | 4,6E-2 | 5,95E-5 | -1,21E0 |
| Renew. PER as material | MJ | 0E0 | 0E0 | 1,83E-1 | 1,83E-1 | 0E0 | -2E-1 | MND | 0E0 | 0E0 | 0E0 | 0E0 | -8,15E-5 |
| Total use of renew. PER | MJ | 1,76E0 | 1,86E-2 | 2,82E-1 | 2,06E0 | 6,31E-3 | 8,55E-2 | MND | 2,85E-1 | 8,9E-4 | 4,6E-2 | 5,95E-5 | -1,21E0 |
| Non-re. PER as energy | MJ | 2,78E1 | 5,86E-1 | 1,58E-1 | 2,86E1 | 5,02E-1 | 5,96E-1 | MND | 5,93E-1 | 7,07E-2 | 3,33E-1 | 7,36E-3 | -1,19E1 |
| Non-re. PER as material | MJ | 0E0 | 0E0 | 1,03E-2 | 1,03E-2 | 0E0 | -1,48E-2 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 4,83E-3 |
| Total use of non-re. PER | MJ | 2,78E1 | 5,86E-1 | 1,69E-1 | 2,86E1 | 5,02E-1 | 5,81E-1 | MND | 5,93E-1 | 7,07E-2 | 3,33E-1 | 7,36E-3 | -1,19E1 |
| Secondary materials | kg | 4,88E-2 | 0E0 | 8,29E-4 | 4,96E-2 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 5,79E-1 |
| Renew. secondary fuels | MJ | 5,37E-23 | 0E0 | 0E0 | 5,37E-23 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Non-ren. secondary fuels | MJ | 6,31E-22 | 0E0 | 0E0 | 6,31E-22 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Use of net fresh water | m ³ | 2,67E-3 | 1,2E-4 | 1,28E-4 | 2,92E-3 | 1,04E-4 | 1,59E-4 | MND | 1,58E-4 | 1,47E-5 | 1,41E-4 | 8,05E-6 | -9,99E-3 |

END OF LIFE - WASTE

| IMPACT CATEGORY | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | C3 | C4 | D |
|---------------------|------|---------|--------|---------|---------|---------|---------|-----|-----|-----|-----|-----|-----|-----|---------|---------|-----|---------|----------|
| Hazardous waste | kg | 4,01E-2 | 1,2E-3 | 2,19E-3 | 4,35E-2 | 4,87E-4 | 4,96E-4 | MND | 4,82E-4 | 6,87E-5 | 0E0 | 6,87E-6 | -5,61E-1 |
| Non-hazardous waste | kg | 5,25E-2 | 4,7E-2 | 3,01E-2 | 1,3E-1 | 5,39E-2 | 1,9E-2 | MND | 1,82E-2 | 7,6E-3 | 0E0 | 5E-2 | -4,72E0 |
| Radioactive waste | kg | 4,54E-4 | 3,9E-6 | 5,42E-7 | 4,59E-4 | 3,45E-6 | 8,33E-6 | MND | 8,31E-6 | 4,86E-7 | 0E0 | 4,87E-8 | -2,33E-6 |





END OF LIFE - OUTPUT FLOWS

| IMPACT CATEGORY | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|--------------------------|------|-----|-----|---------|---------|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|
| Components for re-use | kg | 0E0 | 0E0 | 4,21E-6 | 4,21E-6 | 0E0 | 5,62E-3 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Materials for recycling | kg | 0E0 | 0E0 | 2,55E-2 | 2,55E-2 | 0E0 | 2,21E-3 | MND | 0E0 | 0E0 | 9,5E-1 | 0E0 | 0E0 |
| Materials for energy rec | kg | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | 4,1E-3 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Exported energy | MJ | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | 5,09E-3 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |

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

| IMPACT CATEGORY | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
|----------------------|------------------------------------|----------|---------|----------|---------|---------|---------|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|----------|----------|
| Global Warming Pot. | kg CO₂e | 2,54E0 | 4,12E-2 | 1,16E-2 | 2,6E0 | 3,06E-2 | 5,85E-3 | MND | 5,3E-3 | 4,32E-3 | 2,65E-2 | 2,58E-4 | -1,38E0 |
| Ozone depletion Pot. | kg CFC ₋₁₁ e | 2,19E-12 | 6,46E-9 | 8,78E-10 | 7,34E-9 | 6,03E-9 | 4,03E-9 | MND | 4,01E-9 | 8,5E-10 | 2,71E-9 | 8,59E-11 | -4,08E-8 |
| Acidification | kg SO₂e | 5,36E-3 | 5,65E-4 | 5,55E-5 | 5,98E-3 | 6,57E-5 | 2,75E-5 | MND | 2,67E-5 | 9,25E-6 | 1,9E-4 | 1,04E-6 | -5,87E-3 |
| Eutrophication | kg PO₄³e | 5,69E-4 | 8,35E-5 | 2,75E-5 | 6,8E-4 | 1,33E-5 | 1,48E-5 | MND | 1,43E-5 | 1,87E-6 | 7,32E-5 | 2,02E-7 | -4E-3 |
| POCP ("smog") | kg C ₂ H ₄ e | 6,19E-4 | 1,64E-5 | 5,38E-6 | 6,41E-4 | 3,78E-6 | 1,18E-6 | MND | 1,14E-6 | 5,32E-7 | 8,82E-6 | 7,64E-8 | -9,51E-4 |
| ADP-elements | kg Sbe | 1,63E-4 | 4,32E-7 | 2,66E-7 | 1,63E-4 | 5,5E-7 | 2,08E-7 | MND | 2,04E-7 | 7,75E-8 | 1,33E-6 | 2,41E-9 | -2,61E-5 |
| ADP-fossil | MJ | 2,67E1 | 5,86E-1 | 1,69E-1 | 2,74E1 | 5,02E-1 | 5,96E-1 | MND | 5,93E-1 | 7,07E-2 | 3,33E-1 | 7,36E-3 | -1,19E1 |





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.

Silvia Vilčeková, as an authorized verifier acting for EPD Hub Limited

12.05.2023







