



ENVIRONMENTAL PRODUCT DECLARATION

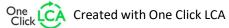
IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

Steel Framing system for Dry Lining Speedline



EPD HUB, EPD number XXXXX

Publishing XXX date, last updated XXX date, valid until XXX date







GENERAL INFORMATION

MANUFACTURER

| Manufacturer | SIG plc |
|-----------------|---|
| Address | Adsetts House, 16 Europa View, Sheffield, S9 1XH |
| Contact details | enquiries@speedlinedrywall.co.uk |
| Website | https://www.speedlinedrywall.co.uk |

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 modules C1-C4, D |
| EPD author | Alan Harris, voestalpine Metsec plc |
| EPD verification | Independent verification of this EPD and data, according to ISO 14025: |
| | \square Internal certification $ ot \square$ External verification |
| EPD verifier | Elma Avdyli, EPD Hub |
| | |

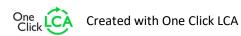
The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building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

PRODUCT

| . Noboc: | |
|-----------------------------------|---|
| Product name | Speedline Steel Framing system for Dry Lining |
| Additional labels | |
| Product reference | |
| Place of production | Oldbury West Midlands United Kingdom |
| Period for data | Calendar year 2020 |
| Averaging in EPD | No averaging |
| Variation in GWP-fossil for A1-A3 | - % |

ENVIRONMENTAL DATA SUMMARY

| Declared unit | 1 kg |
|---------------------------------|--------|
| Declared unit mass | 1 kg |
| GWP-fossil, A1-A3 (kgCO2e) | 2,78E0 |
| GWP-total, A1-A3 (kgCO2e) | 2,78E0 |
| Secondary material, inputs (%) | 13.3 |
| Secondary material, outputs (%) | 95.0 |
| Total energy use, A1-A3 (kWh) | 8.38 |
| Total water use, A1-A3 (m3e) | 0.0209 |







PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

SIG is a leading pan-European provider of specialist construction and insulation products.

We operate specialist distribution businesses across six European geographies. We hold market-leading positions in interiors and exteriors construction products and are accelerating our presence in more specialist product markets.

We help more than 75,000 specialist contractors meet the demands of complex building projects with a range and depth of products from leading brands, specialist knowledge and superior service across our network of winning branches.

SIG first launched Speedline, our own brand of steel framing systems for dry lining, to the market in 2004.

PRODUCT DESCRIPTION

Galvanized light gauge steel framing profiles and components used in the construction of metal framework for drylining systems.

Speedline metal framing profiles and components for dry lining systems are used in non-loadbearing partitions, Shaft Encasement systems, Column and Beam Encasement systems, Linings, Ceilings and Floating Floor systems. Speedline's galvanized light gauge drylining steel profiles and components are non-flammable with high strength to weight ratio making it robust and durable for dry lining systems with assured system performance. These steel profiles and components are easy to handle and cut for quick installation on-site. Speedline dry lining components have been comprehensively and independently tested as systems with proprietary gypsum products and

recommended accessories, providing reassurance that Speedline's section

profiles and products meet the stringent standards for fire resistance, duty rating and acoustic requirements when used as a system.

Speedline Dry Lining steel framing profiles and components are manufactured using the cold-roll process in accordance with BS EN 14195:2005/AC:2006 Speedline Dry Lining steel framing profiles and components are manufactured from continuously hot-dip coated flat galvanized steel (Grade: DX51D+Z140 NA-C) that confirms to BS EN 10346:2015 and manufactured using the cold-roll process in accordance with BS EN 14195:2005/AC:2006

Steel gauge of the products ranges from 0.4 -1.5 mm Dimensional specifications of individual product are available on request Fire Rating Classification = A1

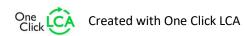
Tensile Strength:- 270-500 N/mm^2

Density 7.85 g/cm^3

Minimum Elongation A80(%) = 22%

For more information or for details of your nearest stockist please contact Speedline on +44 (0) 117 301 3634 or enquiries@speedlinedrywall.co.uk

Further information can be found at https://www.speedlinedrywall.co.uk/.







| Raw material category | Amount, mass- % | Material origin |
|-----------------------|-----------------|-----------------|
| Metals | 100 | |
| 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

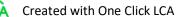
FUNCTIONAL UNIT AND SERVICE LIFE

| Declared unit | 1 kg |
|------------------------|---|
| Mass per declared unit | 1 kg |
| Functional unit | - |
| Reference service life | 50 Years in a dry envelope (C1 environment) |

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.

| Proc | duct s | tage | | mbly | | | l | Jse stag | e | | | En | d of I | ife st | age | s | yond yster unda | n |
|---------------|-----------|---------------|-----------|----------|-----|-------------|--------|-------------|---------------|------------------------|-----------------------|-----------------|-----------|------------------|----------|-------|-----------------------|-----------|
| A1 | A2 | А3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | С3 | C4 | | D | |
| x | x | x | MND | MND | 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.

Roll Forming is the process of shaping strip metal by passing it through a series of specially designed shaped rolls, the process has high levels of repeatability and very tight tolerances. Profiles can be made from various metallic materials including Steel, Copper, Aluminum, Brass, Stainless Steel, coated Steels including Zinc, Paint and Plastic. The roll forming process can manufacture typical shaped profiles such as Channel, Angles, Boxes and Round Tube but is also able to form more complex profiles required for demanding technical solutions. The process is highly automated using modern control systems and

can accommodate the piercing of holes and bespoke cut to length requirements of the customer. The process includes fully integrated automated and semi automated packaging reducing handling. The finished product is stored in warehouse facilities prior to shipment to the customer. The manufacturing process requires electricity and fuels for product movement and loading as well as heating. All waste produced at Metsec is sold for recycling or is shipped to Energy Recovery Facilities. The loss of all material is considered, within this EPD

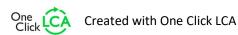
Steel and plastic strapping are used for packaging and is required to ensure safe delivery of product to the customer.

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 transportation distance is defined according to the PCR. Average distance of transportation from production plant to building site is assumed as 214 km and the transportation method is assumed to be lorry (Urban Curtain Sided vehicle Euro 6+ compliant). Vehicle capacity utilization calculated by Metsec is 96% this is governed by the pack size and shape of product and is achieved by utilizing multiple deliveries on the same vehicle. No vehicle is dedicated to a single delivery unless the volume or quantity dictates. In reality, the vehicle utilization does vary but as role of transportation emissions in total results is small, the variety in load is assumed negligible. As the vehicles are dedicated for Metsec deliveries, the km figure calculated assumes the vehicle returns empty. Transportation does not cause losses as product are packaged to prevent damage. Module A5 is excluded in this scenario since voestalpine Metsec plc do not have knowledge of how the installation is executed.

PRODUCT USE AND MAINTENANCE (B1-B7)







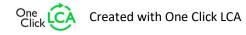
This EPD does not cover the use phase.

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 centre. Transportation distance to treatment is assumed as 50 km and the transportation method is assumed to be lorry (C2). Approximately 95% of steel is assumed to be recycled based on World Steel Association, 2020 (C3). It is assumed that the remaining 5 % of steel is taken to landfill for final disposal (C4). Due to the recycling process, the end-of-life product is converted into recycled steel (D).







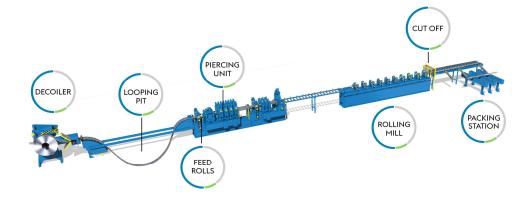


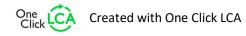
MANUFACTURING PROCESS

Cold roll forming is a reliable, proven approach to metal shaping that is ideal for modern applications. This process uses a continuous bending operation where coiled steel is passed through consecutive sets of profiled rolls. Each set of rolls performs incremental parts of a bend to produce the desired cross-section profile. Unlike other types of metal forming, the roll forming process is inherently flexible. Secondary processes can be integrated into a single production line. Roll forming increases efficiency while reducing operational and capital costs by eliminating unnecessary handling and equipment.

Metsec Cold roll forming mills can accommodate material gauges ranging from 0.5 mm up to 0. 6.0 mm. The bend radius is largely determined by the ductility of the metal. However, 180-degree bends can be achieved with the right grade of material. Cold roll forming easily accommodates the integration of secondary operations such as welding, punching, and precision laser cutting to

optimise production efficiency.









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. In this study, as per the reference standard, allocation is conducted in the following order;

- 1. Allocation should be avoided.
- 2. Allocation should be based on physical properties (e.g., mass, volume) when the difference in revenue is small.
- 3. Allocation should be based on economic values.

In this study allocation could not be avoided for raw materials, packaging, ancillary material, energy consumption and waste production as the information was only measured on factory or production process level. The inputs were allocated to studied product based on annual production volume (mass). The values for 1 kilogram of Dry Lining Framing System are calculated by considering the total product weight per annual production. In the factory, several kinds of steel products are produced; since the production processes of these products are similar, the annual production percentages are taken into consideration for allocation. According to the ratio of the annual production of the declared product to the total annual production at the

factory, the annual total raw materials, energy consumption, packaging materials and the generated waste per the declared product are allocated. Subsequently, the product output fixed to 1 kg and the corresponding amount of product is used in the calculations. This LCA study is conducted in accordance with all methodological considerations, such as performance, system boundaries, data quality, allocation procedures, and decision rules to evaluate inputs and outputs.

Allocation used in environmental data sources is aligned with the above.

AVERAGES AND VARIABILITY

Type of average No averaging

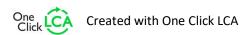
Averaging method

Variation in GWP-fossil for A1-A3 - %

There is no average result considered in this study since the EPD refers to 1 Kg of Dry Lining Framing System produced in one production plant.

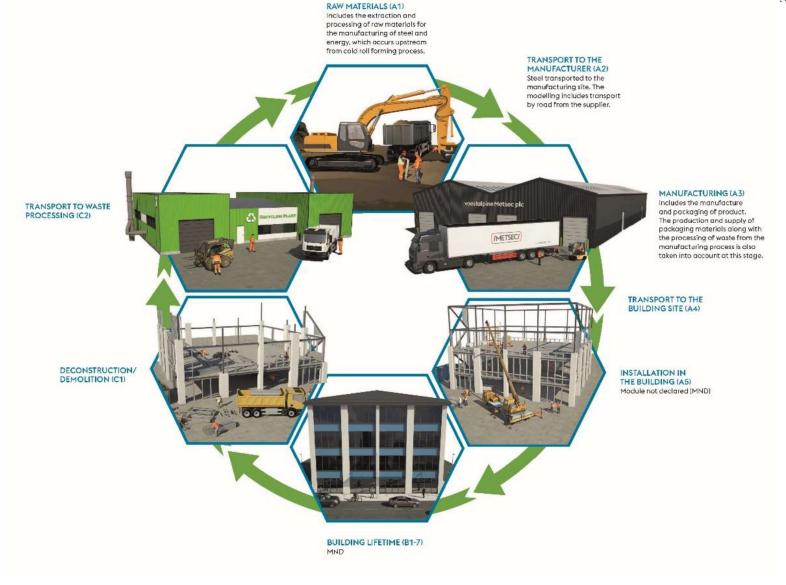
LCA SOFTWARE AND BIBLIOGRAPHY

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. Ecoinvent and One Click LCA databases were used as sources of environmental data.













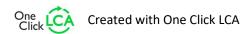
ENVIRONMENTAL IMPACT DATA

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 ¹⁾ | kg CO₂e | 2,65E0 | 1,1E-1 | 1,4E-2 | 2,78E0 | 3,47E-2 | 2,81E-2 | MND | 3,3E-3 | 4,55E-3 | 2,21E-2 | 2,64E-4 | -4,16E-1 |
| GWP – fossil | kg CO₂e | 2,65E0 | 1,1E-1 | 1,4E-2 | 2,78E0 | 3,5E-2 | 2,81E-2 | MND | 3,3E-3 | 4,54E-3 | 2,34E-2 | 2,63E-4 | -4,19E-1 |
| GWP – biogenic | kg CO₂e | 8,22E-4 | 2,71E-6 | -1,29E-6 | 8,23E-4 | 1,88E-5 | 8,42E-6 | MND | 9,17E-7 | 3,3E-6 | -1,34E-3 | 5,22E-7 | 3,11E-3 |
| GWP – LULUC | kg CO₂e | 4,4E-4 | 6,13E-5 | 1,38E-6 | 5,03E-4 | 1,26E-5 | 5,15E-6 | MND | 2,79E-7 | 1,37E-6 | 2,66E-5 | 7,82E-8 | 1,16E-5 |
| Ozone depletion pot. | kg CFC-11e | 2,53E-14 | 2,32E-8 | 2,19E-9 | 2,54E-8 | 7,95E-9 | 3,33E-10 | MND | 7,12E-10 | 1,07E-9 | 3,37E-9 | 1,08E-10 | -1,11E-8 |
| Acidification potential | mol H⁺e | 6,16E-3 | 2,32E-3 | 3,77E-5 | 8,52E-3 | 1E-4 | 8,62E-5 | MND | 3,45E-5 | 1,91E-5 | 2,84E-4 | 2,5E-6 | -1,62E-3 |
| EP-freshwater ²⁾ | kg Pe | 1,09E-6 | 6,63E-7 | 1,17E-7 | 1,87E-6 | 2,97E-7 | 2,17E-8 | MND | 1,33E-8 | 3,7E-8 | 1,62E-6 | 3,18E-9 | -1,68E-5 |
| EP-marine | kg Ne | 1,32E-3 | 5,64E-4 | 9,2E-6 | 1,89E-3 | 1,99E-5 | 1,91E-5 | MND | 1,52E-5 | 5,75E-6 | 6,27E-5 | 8,61E-7 | -3,18E-4 |
| EP-terrestrial | mol Ne | 1,39E-2 | 6,28E-3 | 1,01E-4 | 2,02E-2 | 2,22E-4 | 2,05E-4 | MND | 1,67E-4 | 6,35E-5 | 7,28E-4 | 9,48E-6 | -3,37E-3 |
| POCP ("smog") ³⁾ | kg NMVOCe | 4,6E-3 | 1,66E-3 | 3,42E-5 | 6,29E-3 | 8,52E-5 | 6,38E-5 | MND | 4,59E-5 | 2,04E-5 | 1,99E-4 | 2,75E-6 | -2,2E-3 |
| ADP-minerals & metals ⁴⁾ | kg Sbe | 1,44E-5 | 1,65E-6 | 4,78E-8 | 1,61E-5 | 9,64E-7 | 1,7E-7 | MND | 5,03E-9 | 7,75E-8 | 1,3E-6 | 2,41E-9 | -4,16E-7 |
| ADP-fossil resources | MJ | 2,75E1 | 1,5E0 | 2,14E-1 | 2,92E1 | 5,29E-1 | 2,97E-1 | MND | 4,54E-2 | 7,07E-2 | 3,25E-1 | 7,36E-3 | -3,09E0 |
| Water use ⁵⁾ | m³e depr. | 8,64E-1 | 3,92E-3 | 5,05E-4 | 8,69E-1 | 1,73E-3 | 8,7E-3 | MND | 8,46E-5 | 2,63E-4 | 4,61E-3 | 3,4E-4 | -5,96E-2 |

USE OF NATURAL RESOURCES

| Impact category | Unit | A1 | A2 | А3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | С3 | C4 | D |
|------------------------------------|------|----------|---------|---------|----------|---------|----------|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|---------|----------|
| Renew. PER as energy ⁸⁾ | MJ | 9,53E-1 | 1,49E-2 | 1,85E-2 | 9,86E-1 | 7,57E-3 | 9,94E-3 | MND | 2,45E-4 | 8,9E-4 | 5,1E-2 | 5,95E-5 | 4,11E-2 |
| Renew. PER as material | MJ | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Total use of renew. PER | MJ | 9,53E-1 | 1,49E-2 | 1,85E-2 | 9,86E-1 | 7,57E-3 | 9,94E-3 | MND | 2,45E-4 | 8,9E-4 | 5,1E-2 | 5,95E-5 | 4,11E-2 |
| Non-re. PER as energy | MJ | 2,75E1 | 1,5E0 | 2,14E-1 | 2,92E1 | 5,29E-1 | 2,97E-1 | MND | 4,54E-2 | 7,07E-2 | 3,25E-1 | 7,36E-3 | -3,09E0 |
| Non-re. PER as material | MJ | 0E0 | 0E0 | 1E-5 | 1E-5 | 0E0 | 1E-7 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Total use of non-re. PER | MJ | 2,75E1 | 1,5E0 | 2,14E-1 | 2,92E1 | 5,29E-1 | 2,97E-1 | MND | 4,54E-2 | 7,07E-2 | 3,25E-1 | 7,36E-3 | -3,09E0 |
| Secondary materials | kg | 1,33E-1 | 0E0 | 8,48E-7 | 1,33E-1 | 0E0 | 1,33E-3 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 1,96E-1 |
| Renew. secondary fuels | MJ | 8,62E-23 | 0E0 | 0E0 | 8,62E-23 | 0E0 | 8,62E-25 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Non-ren. secondary fuels | MJ | 1,01E-21 | 0E0 | 0E0 | 1,01E-21 | 0E0 | 1,01E-23 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Use of net fresh water | m³ | 2,07E-2 | 1,93E-4 | 3,48E-5 | 0.0209 | 9,13E-5 | 2,1E-4 | MND | 4,01E-6 | 1,47E-5 | 1,33E-4 | 8,05E-6 | -2,78E-3 |







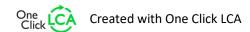
8) PER = Primary energy resources.

END OF LIFE – WASTE

| Impact category | Unit | A1 | A2 | А3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | B6 | B7 | C1 | C2 | С3 | C4 | D |
|---------------------|------|---------|---------|---------|---------|---------|---------|-----|-----|-----|-----|-----|-----|-----|---------|---------|-----|---------|----------|
| Hazardous waste | kg | 3,16E-9 | 1,66E-3 | 3,66E-4 | 2,03E-3 | 5,44E-4 | 2,57E-5 | MND | 4,88E-5 | 6,87E-5 | 0E0 | 6,87E-6 | -5,03E-2 |
| Non-hazardous waste | kg | 1,08E-1 | 5,92E-2 | 4,72E-3 | 1,72E-1 | 3,75E-2 | 2,09E-3 | MND | 5,22E-4 | 7,6E-3 | 0E0 | 5E-2 | -5,67E-1 |
| Radioactive waste | kg | 6,88E-7 | 1,04E-5 | 1,18E-6 | 1,23E-5 | 3,62E-6 | 1,59E-7 | MND | 3,18E-7 | 4,85E-7 | 0E0 | 4,87E-8 | 2,27E-6 |

END OF LIFE – OUTPUT FLOWS

| Impact category | Unit | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | С3 | C4 | D |
|--------------------------|------|-----|-----|---------|---------|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|
| Components for re-use | kg | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Materials for recycling | kg | 0E0 | 0E0 | 3,03E-4 | 3,03E-4 | 0E0 | 3,03E-6 | MND | 0E0 | 0E0 | 9,5E-1 | 0E0 | 0E0 |
| Materials for energy rec | kg | 0E0 | 0E0 | 5,3E-7 | 5,3E-7 | 0E0 | 5,3E-9 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |
| Exported energy | MJ | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 | MND | 0E0 | 0E0 | 0E0 | 0E0 | 0E0 |

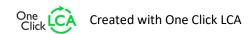






ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

| Impact category | Unit | A1 | A2 | А3 | A1-A3 | A4 | A5 | B1 | B2 | В3 | B4 | B5 | В6 | B7 | C1 | C2 | C3 | C4 | D |
|----------------------|------------------------------------|----------|---------|---------|---------|---------|----------|-----|-----|-----|-----|-----|-----|-----|----------|----------|---------|----------|----------|
| Global Warming Pot. | kg CO₂e | 2,57E0 | 1,09E-1 | 1,38E-2 | 2,7E0 | 3,47E-2 | 2,73E-2 | MND | 3,27E-3 | 4,5E-3 | 2,31E-2 | 2,58E-4 | -3,99E-1 |
| Ozone depletion Pot. | kg CFC-11e | 2,53E-14 | 1,84E-8 | 1,78E-9 | 2,02E-8 | 6,33E-9 | 2,65E-10 | MND | 5,63E-10 | 8,49E-10 | 2,86E-9 | 8,59E-11 | -9,86E-9 |
| Acidification | kg SO₂e | 5,13E-3 | 1,84E-3 | 3,01E-5 | 7E-3 | 7,05E-5 | 7,07E-5 | MND | 4,87E-6 | 9,25E-6 | 1,77E-4 | 1,04E-6 | -1,27E-3 |
| Eutrophication | kg PO ₄ ³e | 4,54E-4 | 2,13E-4 | 6,83E-6 | 6,74E-4 | 1,46E-5 | 6,88E-6 | MND | 8,57E-7 | 1,87E-6 | 7,21E-5 | 2,02E-7 | -7,02E-4 |
| POCP ("smog") | kg C ₂ H ₄ e | 8,8E-4 | 5,08E-5 | 2,69E-6 | 9,33E-4 | 4,22E-6 | 9,38E-6 | MND | 5,01E-7 | 5,86E-7 | 8,28E-6 | 7,64E-8 | -3,28E-4 |
| ADP-elements | kg Sbe | 1,44E-5 | 1,65E-6 | 4,78E-8 | 1,61E-5 | 9,64E-7 | 1,7E-7 | MND | 5,03E-9 | 7,75E-8 | 1,3E-6 | 2,41E-9 | -4,16E-7 |
| ADP-fossil | MJ | 2,75E1 | 1,5E0 | 2,14E-1 | 2,92E1 | 5,29E-1 | 2,97E-1 | MND | 4,54E-2 | 7,07E-2 | 3,25E-1 | 7,36E-3 | -3,09E0 |







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.

#SIGNATURE#

