



# ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

# **Product name:**

Steel profiles for drywall systems



**EPD** holder:

"Europrofil" Sp. z o.o.



Issued on 27 November 2025 Valid until 27 November 2030





# **GENERAL INFORMATION**

## **EPD OWNER**

| Manufacturer / EPD Holder | "Europrofil" Sp. z o.o.                                |
|---------------------------|--|
| Address                   | ul. Kiełczowska 70, 51-354 Wrocław, Poland             |
| Contact details           | Phone +48 71 345 74 80 e-mail: biuro@europrofil.com.pl |
| Website                   | https://europrofil.com.pl/                             |

## **PRODUCT IDENTIFICATION**

| Product name           | Steel profiles for drywall systems |
|------------------------|------------------------------------|
| Place(s) of production | Poland                             |

## **EPD INFORMATION**

| Multicert Sp. z o.o.   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| UI. Mydlarska 47, 04-690 Warszawa, Poland  |  |  |  |  |  |  |
| www.epd.org.pl, epd@epd.org.pl   |  |  |  |  |  |  |
| This EPD is in accordance with EN 15804+A2 and ISO 14025 standards.  |  |  |  |  |  |  |
| The CEN standard EN 15804+A2 serves as the core PCR.   |  |  |  |  |  |  |
| Independent verification of this EPD and data, according to ISO 14025: $\hfill \Box$ Internal certification $\boxtimes$ External verification  |  |  |  |  |  |  |
| Izabela Sztamberek-Sochan, Ph.D.   |  |  |  |  |  |  |
| EPD-P 05.11.2025   |  |  |  |  |  |  |
| EPD Polska www.epd.org.pl  |  |  |  |  |  |  |
| 27 November 2025   |  |  |  |  |  |  |
| 27 November 2030   |  |  |  |  |  |  |
| B2B  |  |  |  |  |  |  |
| The EPD Holder is responsible for the information provided and evidence. Multicert Sp. z o.o. does not hold responsibility for the manufacturer information, life cycle assessment data nor supporting evidence. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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.





# **COMPANY INFORMATION**

#### **HOLDER OF THE EPD**

Europrofil Sp. z o.o ul. Kiełczowska 70 51-354 Wrocław Dolnośląskie, Poland

#### **COMPANY PROFILE**

Europrofil Sp. z o.o. is a Polish manufacturer of steel profiles for drywall systems, headquartered in Wrocław. The company was founded in 1993 as one of the first domestic producers of steel profiles for gypsum plasterboard constructions, helping to establish standards for this product category on the market.

Over more than three decades, Europrofil has developed from a regional plant into a reliable, quality-oriented partner for distributors, contractors, and system suppliers in Poland and Europe. Production takes place on continuous lines with stable coil supply and routine verification of thickness, dimensions, and straightness of sections. The company emphasizes repeatability and on-time deliveries supported by flexible order picking, short changeover times, and coordinated logistics.

Within the organization, priority is given to maintaining tooling and continuous process improvement to ensure consistent geometry and mechanical properties across production batches, while minimizing material and handling losses on the shop floor.

Sustainability activities are practical and continuous: careful segregation and recovery of steel scrap, packaging optimization, and improving the efficiency of profiling and internal transport. By producing components that are easy to recycle and separate at end-of-life, Europrofil's offer supports responsible material management throughout the building life cycle.

In summary, Europrofil combines manufacturing know-how, stable supply, and responsive service, delivering steel profiles for internal, non-load-bearing applications—with consistent quality and attentive customer support.





## PRODUCT INFORMATION

## PRODUCT DESCRIPTION

The product group covered by this EPD includes steel profiles manufactured from DX51D (+Z) strip compliant with EN 10346 and formed by continuous cold roll-forming. The assortment includes profiles for partition walls (CW/UW), ceiling elements (CD/UD), reinforced door-frame profiles (UA), and selected special profiles. The profiles form a metal substructure for gypsum plasterboard systems in internal, non-load-bearing applications. As steel elements, when assessed as a metal framing system, they achieve reaction-to-fire class A1.

## PRODUCT APPLICATION

Steel profiles constitute the structure of walls, ceilings, and door openings in drywall systems, carrying the self-weight of these systems and providing a base for fixing gypsum plasterboards:

- Partition walls: CW studs with UW tracks
- Suspended ceilings: CD profiles with UD perimeter profiles
- **Door/opening reinforcements:** UA door-frame profiles

Integrated embossing openings (where present) facilitate routing installations. Additional openings should be made centrally and away from zones of concentrated loads.

## **PRODUCT STANDARDS**

Europrofil profiles are manufactured and tested in accordance with relevant European standards, including:

- EN 14195 Metal framing components for gypsum plasterboard systems (studs/tracks)
- **EN 10346** Continuously hot-dip coated flat steel products (DX51D +Z, etc.)

## PRODUCT RAW MATERIAL COMPOSITION

| Galvanized carbon steel (DX51D +Z): | >99% by mass  |
|-------------------------------------|---|
| Auxiliary elements / packaging      | Pallets and wooden spacers as well as polymer straps — in small quantities. |





## ADDITIONAL TECHNICAL INFORMATION

The table below presents the available variants of steel profiles produced by Europrofil and covered by this Environmental Product Declaration (EPD). The variants represent the declared group (galvanized steel profiles, cold-formed). Dimensions, thicknesses, and mass per linear metre reflect the current production range. Design lengths and tolerances are provided in Technical Data Sheets.

LCA results are presented per 1 kg of product. Therefore, using the mass per unit length (kg/m) provided enables direct conversion of environmental impacts to one linear metre of a selected product variant. To do so, each indicator provided per 1 kg should be multiplied by the linear mass [kg/m] given for the relevant profile in the table below.

| Profile type | Nominal dimension | Thicness<br>[mm] | Mass per lienar metre<br>[kg/mb] |
|--------------|-------------------|------------------|----------------------------------|
| CW           | 50                | 0,5/0,6          | 0,519/0,640                      |
| CW           | 75                | 0,5/0,6          | 0,607/0,729                      |
| CW           | 100               | 0,5/0,6          | 0,695/0,834                      |
| UW           | 50                | 0,5/0,6          | 0,428/0,514                      |
| UW           | 75                | 0,5/0,6          | 0,519/0,640                      |
| UW           | 100               | 0,5/0,6          | 0,607/0,729                      |
| UW           | 125               | 0,5/0,6          | 0,695/0,834                      |
| CD           | 60                | 0,5/0,6          | 0,428/0,514                      |
| UD           | 27                | 0,5/0,6          | 0,274/0,329                      |
| UA           | 50                | 2,0              | 1,760                            |
| UA           | 75                | 2,0              | 2,107                            |
| UA           | 100               | 2,0              | 2,468                            |
| UWN          | 50 (perforated)   | 0,5/0,6          | 0,428/0,514                      |
| UWN          | 75 (perforated)   | 0,5/0,6          | 0,519/0,640                      |
| KAP          | 10 (hat-shaped)   | 0,5/0,6          | 0,372/0,446                      |

## 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

## **RAW MATERIAL SUPPLY AND TRANSPORT (A1, A2)**

Module A1 covers the procurement of raw materials for steel profiles for drywall systems manufactured by Europrofil. The main input is hot-dip galvanized DX51 steel (Zn100) in coils, sourced from producers in Europe and Asia.

Module A2 covers transport of raw materials from suppliers to the manufacturing plant. Transport is mainly by land using diesel trucks (>16 t, EURO 6), and in the case of supplies from Asia—by sea. The model reflects a representative road transport distance of approx. 400 km per kilogram of product mass and approx. 3800 km for sea transport.

## **MANUFACTURING (A3)**

Module A3 includes manufacturing of steel profiles for drywall systems at the "Europrofil" plant. Zinc-coated DX51 Zn100 steel strip is uncoiled, slit into strips, and cold roll-formed. Perforations/openings may be made on the line, after which profiles are cut to the required length. Energy consumption includes electricity (line/equipment drives) and gas heating of the production hall. Steel waste from cutting and punching is segregated and transferred to an external scrap collection facility for recycling. Benefits from substituting primary steel with recycled material are accounted for outside the system boundary in Module D.

Packaging: profiles are bundled with PET straps, stacked using wooden spacers, and strapped into packs with PET/metal straps. Batches are labelled and prepared for shipment after quality control.

## **END OF LIFE (C1, C2, C3, C4, D)**

## Module C1 (deconstruction):

At end-of-use, profiles are dismantled during renovation / demolition works in line with standard practice. Dismantling involves manual separation of elements and unscrewing/cutting connectors using portable power tools. No specialist machinery or auxiliary materials are required. Energy use per declared unit (1 kg) is assumed at 0.04 MJ. Other impacts and consumptions are minor and depend on dismantling organization.

#### Module C2 (transport of waste):

Covers transport of dismantled profiles from the demolition site to treatment facilities. A 100 km road transport distance is assumed; 92% of the mass goes to steel scrap recycling and 8% to landfill (C4). A typical 3.5–7.5 t EURO 6 truck is used in the model.





## Module C3 (waste processing):

After dismantling, steel profiles undergo mechanical pre-treatment (sorting, removal of contaminants, baling) and are transferred for further processing. It is assumed that 92% of the product mass is recycled as steel scrap (MFR). C3 reports inventory indicators without credits.

## Module C4 (disposal):

The remaining 8% of waste that cannot be recovered is landfilled.

#### Module D:

Module D reports benefits and loads beyond the system boundary resulting from material recovery at end-of-life according to the net-scrap approach: from 1 kg of profile, 92% recovery as steel scrap is assumed, with recycling efficiency 92% and scrap share in input steel of 6.48%. As a result, net-scrap equals 0.78 kg/kg and generates a credit for avoided primary steel production (after deducting loads related to remelting and logistics).





# LIFE-CYCLE ASSESSMENT

## LIFE-CYCLE ASSESSMENT INFORMATION

## **DECLARED AND FUNCTIONAL UNIT**

| <b>Declared Unit</b>   | 1 kg |
|------------------------|------|
| Mass per Declared Unit | 1 kg |

## **BIOGENIC CARBON CONTENT**

Product's biogenic carbon content at the factory gate

| Biogenic carbon content in the product, kg C: | - |  |
|---|---|--|
|---|---|--|





## SYSTEM BOUNDARY

The EPD scope is "cradle-to-gate with options". The study includes modules: A1 (raw material supply), A2 (transport), A3 (manufacturing), C1 (deconstruction), C2 (waste transport), C3 (waste processing), C4 (waste disposal), and D (benefits beyond system boundary / avoided burdens).

| Product        | stage     | As            | sembly s  | stage    |     | Use stage   |        |             |               |                        |                       | End of life stage        |           |                  |          | Beyond the<br>system<br>boundaries |  |  |
|----------------|-----------|---------------|-----------|----------|-----|-------------|--------|-------------|---------------|------------------------|-----------------------|--------------------------|-----------|------------------|----------|------------------------------------|--|--|
| A1             | A2        | А3            | A4        | A5       | В1  | B2          | В3     | В4          | В5            | В6                     | В7                    | C1                       | C2        | C3               | C4       | D                                  |  |  |
| х              | х         | x             | MND       | MND      | MNR | MNR         | MNR    | MNR         | MNR           | MNR                    | MNR                   | х                        | х         | х                | х        | х                                  |  |  |
| Raw materials` | Transport | Manufacturing | Transport | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | Deconstr. /Deinstalation | Transport | Waste processing | Disposal | Reuse / Recycling                  |  |  |

X - module included/declared MND - Module Not Declared MNR - Module Not Relevant

## **CUT-OFF CRITERIA**

The study does not exclude any modules or processes which are stated mandatory in the *EN 15804:2012+A2:2019*. 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 which data are available for are included in the calculation. There is no neglected unit process more than 1% of total mass and energy flows. The total neglected input and output flows do also not exceed 5% of energy usage or mass.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy, and water use related to company management and sales activities are excluded.





## **ESTIMATES AND ASSUMPTIONS**

The LCA was carried out in accordance with EN 15804+A2, applying appropriate rules for metrics, system boundaries, data quality, allocation, and inclusion/exclusion rules. Key modelling assumptions are outlined below:

- A1. Raw materials and RC/net-scrap approach. A full mass balance for material inputs was applied based on manufacturer data (DX51D+Z steel for profile production). For suppliers with their own EPDs, their data were used directly (approx. 50% of sheet purchases); for the rest, background data from ecoinvent 3.9.1 (cut-off) were used. The net-scrap approach was adopted: scrap share in input steel (RC) does not generate credits in Module D.
- A2. Transport to the plant. Average supply distances were determined based on supplier locations and the logistics mix used in 2024. The model includes road transport (EURO 6) over 400 km and container sea transport over 3800 km.
- A3. Manufacturing. Energy use was taken from 2024 plant data (grid electricity and heat for hall heating). Steel waste from cutting/punching is segregated and sent to an external scrap collection point. Material benefits from its use are accounted for beyond the system boundary in Module D. Packaging: bundles strapped with PET, wooden spacers, packs strapped with steel band.
- C1. Deconstruction. Standard construction practice assumed; energy use for power tools 0.04 MJ/kg.
- C2. Transport after EoL. 100 km road transport (EURO 6): 92% mass to steel scrap recycler, 8% to landfill.
- C3. Waste processing. Mechanical pre-treatment (sorting/removing contaminants, baling) prior to transfer to steelmaking; 92% of product mass as Materials for Recycling (MFR). C3 reports inventory indicators without credits.
- C4 Disposal. 8% of the mass is landfilled as unrecovered fraction.
- D Benefits beyond system boundary. Per net-scrap approach, recycling efficiency 92% and RC = 6.48% are used; the net scrap stream attributed to substitution credit for primary steel equals 0.78 kg/kg, after deducting loads related to logistics and remelting.





## **ALLOCATION**

Allocation was carried out in accordance with EN 15804+A2. Primary (foreground) data for 2024 were inventoried for the whole portfolio and allocated by mass to the declared unit (1 kg of profile), since resource use and process stages are common for all product's variants.

## **DATA QUALITY**

Regarding primary data, the LCA is based on high-quality primary data collected by "Europrofil" for 2024 (energy meters, material purchases, transport distances, production volumes). Background data come from ecoinvent 3.9.1 (cut-off) provided in openLCA; datasets are up-to-date, documented, and consistent with EF 3.1 impact assessment methodology. Electricity in A3 reflects emission factors for electricity in Poland published in December 2024 by KOBiZE — the National Centre for Emissions Management and Balancing.

## **GEOGRAPHIC REPRESENTATIVENESS**

The product system is manufactured and managed in Poland (Europe).





# **ENVIRONMENTAL IMPACT DATA**

CORE ENVIRONMENTAL IMPACT INDICATORS - EN 15804+A2 - [DU=1kg]

| Impact category | Unit   | <b>A</b> 1    | A2            | А3            | A4-A5          | B1-B7          | C1            | C2            | C3            | C4             | D             |  |
|-----------------|--|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|---------------|--|
| GWP-Total       | kg CO2 eq.   | 2,67E+00      | 1,14E-01      | 3,73E-02      | MND            | MNR            | 8,51E-03      | 1,85E-02      | 2,35E-02      | 4,90E-04       | -<br>1,32E+00 |  |
| GWP-fossil      | kg CO2 eq.   | 2,68E+00      | 1,14E-01      | 3,71E-02      | MND            | MNR            | 8,46E-03      | 1,85E-02      | 2,38E-02      | 4,90E-04       | -<br>1,32E+00 |  |
| GWP-biogenic    | kg CO2 eq.   | -1,25E-<br>02 | 6,09E-05      | 1,40E-04      | MND            | MNR            | 4,71E-05      | 1,69E-05      | -4,10E-<br>04 | 2,78E-07       | 2,43E-03      |  |
| GWP-luluc       | kg CO2 eq.   | 1,73E-03      | 6,69E-05      | 1,37E-05      | MND            | MNR            | 2,52E-06      | 9,12E-06      | 3,49E-05      | 2,94E-07       | -6,90E-04     |  |
| ODP             | kg CFC-11 eq.  | 3,09E-08      | 2,22E-09      | 5,04E-10      | MND            | MNR            | 3,87E-11      | 4,02E-10      | 3,79E-10      | 1,41E-11       | -2,46E-08     |  |
| AP              | mol H+ eq.   | 2,22E-02      | 1,31E-03      | 2,30E-04      | MND            | MNR            | 6,08E-05      | 4,04E-05      | 2,70E-04      | 3,66E-06       | -5,84E-03     |  |
| EP-freshwater   | kg P eq.   | 8,41E-04      | 6,63E-06      | 3,57E-05      | MND            | MNR            | 1,01E-05      | 1,31E-06      | 1,40E-05      | 4,05E-08       | -5,90E-04     |  |
| EP-marine       | kg N eq.   | 2,73E-03      | 3,30E-04      | 3,56E-05      | MND            | MNR            | 8,75E-06      | 1,02E-05      | 6,24E-05      | 1,41E-06       | -1,36E-03     |  |
| EP-terrestrial  | mol N eq.  | 7,81E-02      | 3,59E-03      | 3,20E-04      | MND            | MNR            | 7,62E-05      | 1,00E-04      | 7,00E-04      | 1,51E-05       | -1,38E-02     |  |
| POCP            | kg NMVOC eq.   | 9,88E-03      | 1,11E-03      | 1,00E-04      | MND            | MNR            | 2,20E-05      | 6,27E-05      | 2,10E-04      | 5,25E-06       | -7,03E-03     |  |
| ADPE (disc.2)   | kg Sb eq.  | 5,42E-05      | 2,01E-07      | 9,63E-08      | MND            | MNR            | 2,60E-09      | 4,30E-08      | 5,08E-07      | 3,66E-10       | -4,17E-06     |  |
| ADPF (disc.2)   | MJ, (NCV)  | 2,88E+01      | 1,55E+00      | 4,50E-01      | MND            | MNR            | 9,68E-02      | 2,64E-01      | 3,27E-01      | 1,22E-02       | -<br>1,29E+01 |  |
| WDP (disc.2)    | m3 World eq.   | 8,16E-01      | 6,68E-03      | 8,52E-03      | MND            | MNR            | 1,82E-03      | 1,31E-03      | 5,41E-03      | 3,79E-05       | -5,74E-01     |  |
| Acronyms        | GWP-total – Climate change, total global warming potential; GWP-fossil – Climate change, fossil fuels; GWP-biogenic – Climate change, biogenic carbon; GWP-luluc – Climate change, land use and land use change; ODP – Ozone layer depletion; AP – Acidification of terrestrial and freshwater |               |               |               |                |                |               |               |               |                |               |  |
| Disclaimer 2    | The results of this envir experienced with the in  |               | pact indicato | r shall be us | ed with care a | as the uncerta | inties on the | se results ar | e high or as  | there is limit | ed            |  |





# ADDITIONAL ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF – [DU=1kg]

| Impact category | Unit   | A1  | A2            | А3             | A4-A5          | B1-B7          | C1            | C2            | C3           | C4                     | D             |  |
|-----------------|--|---|---------------|----------------|----------------|----------------|---------------|---------------|--------------|------------------------|---------------|--|
| PM              | Disease Incidence                                  | 2,01E-07  | 5,59E-09      | 6,60E-10       | MND            | MNR            | 9,88E-11      | 1,10E-09      | 3,57E-09     | 7,84E-11               | -1,02E-07     |  |
| IRP (disc.1)    | kBq U235 eq.                                       | 7,90E-02  | 1,68E-03      | 1,24E-03       | MND            | MNR            | 2,80E-04      | 3,60E-04      | 2,57E-03     | 7,67E-06               | 4,94E-02      |  |
| ETP-fw (disc.2) | CTUe   | 1,93E+01  | 7,59E-01      | 1,20E-01       | MND            | MNR            | 2,51E-02      | 1,29E-01      | 2,53E-01     | 2,53E-01 5,68E-03 5,06 |               |  |
| HTP-c (disc.2)  | CTUh   | 1,08E-08  | 5,01E-11      | 1,49E-11       | MND            | MNR            | 2,58E-12      | 8,27E-12      | 3,24E-11     | 2,04E-13               | 8,01E-09      |  |
| HTP-nc (disc.2) | CTUh   | 3,74E-08  | 7,80E-10      | 4,67E-10       | MND            | MNR            | 9,45E-11      | 1,62E-10      | 1,35E-09     | 2,31E-12               | -2,45E-08     |  |
| SQP (disc.2)    | Dimensionless                                      | 7,07E+00  | 6,79E-01      | 1,10E-01       | MND            | MNR            | 2,06E-02      | 1,59E-01      | 5,74E-01     | 2,41E-02               | -<br>3,70E+00 |  |
| Acronyms        | PM – Particulate matter<br>freshwater; HTP-c – Hu  | ٠,  |               |                | ,,             | _              | ,             | •             |              |                        | , ,           |  |
| Disclaimer 1    |  | 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 |               |                |                |                |               |               |              |                        |               |  |
| Disclaimer 2    | The results of this envir experienced with the in- |   | pact indicato | or shall be us | ed with care a | as the uncerta | inties on the | se results ar | e high or as | there is limit         | ed            |  |





# USE OF NATURAL RESOURCES - [DU=1kg]

| Impact category | Unit   | A1                           | A2                          | A3                          | A4-A5                          | B1-B7                     | C1                          | C2                           | C3                             | C4                          | D                   |
|-----------------|--|------------------------------|-----------------------------|-----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------------|--------------------------------|-----------------------------|---------------------|
| PERE            | MJ, (NCV)  | 2,57E+00                     | 2,02E-02                    | 9,15E-02                    | MND                            | MNR                       | 8,94E-03                    | 4,12E-03                     | 5,01E-02                       | 1,00E-04                    | -7,76E-01           |
| PERM            | MJ, (NCV)  | 0,00E+00                     | 0,00E+00                    | 0,00E+00                    | MND                            | MNR                       | 0,00E+00                    | 0,00E+00                     | 0,00E+00                       | 0,00E+00                    | 0,00E+00            |
| PERT            | MJ, (NCV)  | 2,57E+00                     | 2,02E-02                    | 9,15E-02                    | MND                            | MNR                       | 8,94E-03                    | 4,12E-03                     | 5,01E-02                       | 1,00E-04                    | -7,76E-01           |
| PENRE           | MJ, (NCV)  | 2,88E+01                     | 1,55E+00                    | 4,50E-01                    | MND                            | MNR                       | 9,68E-02                    | 2,64E-01                     | 3,27E-01                       | 1,22E-02                    | -<br>1,29E+01       |
| PENRM           | MJ, (NCV)  | 0,00E+00                     | 0,00E+00                    | 0,00E+00                    | MND                            | MNR                       | 0,00E+00                    | 0,00E+00                     | 0,00E+00                       | 0,00E+00                    | 0,00E+00            |
| PENRT           | MJ, (NCV)  | 2,88E+01                     | 1,55E+00                    | 4,50E-01                    | MND                            | MNR                       | 9,68E-02                    | 2,64E-01                     | 3,27E-01                       | 1,22E-02                    | -<br>1,29E+01       |
| SM              | kg   | 2,79E-02                     | 0,00E+00                    | 4,51E-02                    | MND                            | MNR                       | 0,00E+00                    | 0,00E+00                     | 0,00E+00                       | 0,00E+00                    | 0,00E+00            |
| RSF             | MJ, (NCV)  | 0,00E+00                     | 0,00E+00                    | 0,00E+00                    | MND                            | MNR                       | 0,00E+00                    | 0,00E+00                     | 0,00E+00                       | 0,00E+00                    | 0,00E+00            |
| NRSF            | MJ, (NCV)  | 0,00E+00                     | 0,00E+00                    | 0,00E+00                    | MND                            | MNR                       | 0,00E+00                    | 0,00E+00                     | 0,00E+00                       | 0,00E+00                    | 0,00E+00            |
| FW              | m3   | 2,67E-02                     | 2,20E-04                    | 9,30E-04                    | MND                            | MNR                       | 2,60E-04                    | 4,34E-05                     | 2,00E-04                       | 1,32E-05                    | -1,56E-02           |
| Acronyms        | PERE – Use of renewab<br>of renewable primary e<br>renewable primary ene<br>of secondary material;<br>net calorific value. | nergy resour<br>rgy resource | ces (PERE +<br>s as raw mat | PERM); PENE<br>erials; PENR | RE – Use of n<br>T – Total use | on-renewable of non-renew | primary ene<br>able primary | ergy as energ<br>energy reso | y carriers; Pl<br>urces (PENRE | ENRM – Use (<br>E + PENRM); | of non-<br>SM – Use |





OUTPUT FLOWS - [DU=1kg]

| Impact category | Unit  | <b>A</b> 1 | A2       | А3       | A4-A5 | B1-B7 | C1       | C2       | C3       | C4       | D        |
|-----------------|---|------------|----------|----------|-------|-------|----------|----------|----------|----------|----------|
| CRU             | kg  | 0,00E+00   | 0,00E+00 | 0,00E+00 | MND   | MNR   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| MFR             | kg  | 0,00E+00   | 0,00E+00 | 0,00E+00 | MND   | MNR   | 0,00E+00 | 0,00E+00 | 9,20E-01 | 0,00E+00 | 0,00E+00 |
| MER             | kg  | 0,00E+00   | 0,00E+00 | 0,00E+00 | MND   | MNR   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| EEE             | MJ  | 0,00E+00   | 0,00E+00 | 0,00E+00 | MND   | MNR   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| EET             | MJ  | 0,00E+00   | 0,00E+00 | 0,00E+00 | MND   | MNR   | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| Acronyms        | CRU – Components for re-use; MFR – Materials for recycling; MER – Materials for energy recovery; EEE – Exported electrical energy; EET – Exported thermal energy. |            |          |          |       |       |          |          |          |          |          |

WASTE - [DU=1kg]

|   | 0.1  |            |          |           |       |       |          |          |          |          |           |
|---|------|------------|----------|-----------|-------|-------|----------|----------|----------|----------|-----------|
| Impact category   | Unit | <b>A</b> 1 | A2       | <b>A3</b> | A4-A5 | B1-B7 | C1       | C2       | C3       | C4       | D         |
| HWD   | kg   | 3,30E-04   | 9,15E-06 | 1,66E-06  | MND   | MNR   | 5,78E-08 | 1,67E-06 | 1,80E-06 | 6,43E-08 | -1,20E-04 |
| NHWD  | kg   | 3,81E-02   | 4,07E-05 | 1,61E-05  | MND   | MNR   | 1,44E-06 | 7,44E-06 | 2,45E-05 | 1,69E-07 | -1,55E-02 |
| RWD   | kg   | 2,43E-04   | 4,04E-07 | 3,06E-07  | MND   | MNR   | 6,82E-08 | 8,63E-08 | 6,55E-07 | 1,79E-09 | 1,31E-05  |
| Acronyms HWD - Hazardous waste disposed; NHWD - Non-hazardous waste disposed; RWD - Radioactive waste disposed. |      |            |          |           |       |       |          |          |          |          |           |





# **SCENARIO DOCUMENTATION**

Manufacturing energy scenario documentation

| Scenario parameter                     | Value   |
|--|---|
| Source and quality of electricity data | Emission Factors for Electricity in Poland reported in December 2024 by KOBIZE - the National Centre for Emissions Management in Poland |
| Electricity CO <sub>2</sub> / kWh      | 0.701 kg CO2e / kWh   |





## **BIBLIOGRAPHY**

ISO 14025:2010 Environmental labels and declarations – Type III environmental declarations. Principles and procedures.

ISO 14040:2006 Environmental management – Life cycle assessment – Principles and frameworks.

ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines.

EN 15804:2012+A2:2019 Sustainability in construction works – Environmental product declarations – Core rules for the product category of construction products.

EN 15978:2011 Sustainability of construction works – Assessment of environmental performance of buildings – Calculation method.

ecoinvent Association (2022). ecoinvent database v3.9.1, system model: Allocation, cut-off by classification. Zürich, Switzerland.

KOBiZE (2024). Emission factors for CO2, SO2, NOx, CO and total dust for electricity, based on the National greenhouse gas and other substances emission database for 2023, published in December 2024.

Multicert Sp. z o.o. (2024). General Programme Instructions of the EPD Polska Programme, Warsaw, Poland.





## **EPD VERIFICATION:**

The verification procedure of this Environmental Product Declaration (EPD) was carried out in accordance with ISO 14025. The EPD is valid for five years from the date of publication and may be updated earlier in case of significant changes. Renewal of validity requires review and, if necessary, updating.

## **EPD CONTRIBUTORS**

| Manufacturer representative | Katarzyna Wieliczko<br>Sales Director |
|-----------------------------|---------------------------------------|
| EPD verifier                | Izabela Stamberek-Sochan, Ph.D.       |

**Note:** The sole ownership, liability, and liability of this declaration are with the owner. Construction product declarations may not be comparable if they do not comply with EN 15804. For detailed information on comparability, please refer to EN 15804 and ISO 14025.





# **CERTIFICATE**

## **TYPE III EPD DECLARATION**

(ENVIRONMENTAL PRODUCT DECLARATION)

Reg. No. EPD-P 05.11.2025



This document confirms that the Environmental Product Declaration developed by **"Europrofil" Sp. z o.o.** for

### Steel profiles for drywall systems

manufactured in accordance with standards:

#### EN 14195 oraz EN 10346,

meets the requirements of standards **EN 15804:2012+A2:2019** and **ISO 14025**, and that the data contained therein has been prepared correctly.

The Declaration was published on November 27, 2025 and is valid until November 27, 2030, or until it is deregistered or its publication on the website <a href="https://www.epd.org.pl">www.epd.org.pl</a> is discontinued.

Authenticity of this certificate can be confirmed in. the public register at www.epd.org.pl



Izabela Sztamberek-Sochan, Ph.D.

atamberek

**EPD Polska Verifier** 



Grzegorz Suwara

CEO Multicert Sp. z o.o.

Warsaw, November 27, 2025