



ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Spiro - G

REC Indovent AB



EPD HUB, HUB-6847

Published on 01.07.2026,
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valid until 30.06.2031

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.2 (24 Mar 2025) and JRC characterization factors EF 3.1.



Created with One Click LCA



GENERAL INFORMATION

MANUFACTURER

Manufacturer	REC Indovent AB
Address	Kärragatan 2, 431 53 Mölndal, Sweden
Contact details	info@rec-indovent.se
Website	www.rec-indovent.se

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804:2012+A2:2019/AC:2021 and ISO 14025
PCR	EPD Hub Core PCR Version 1.2, 24 Mar 2025
Sector	Construction product
Category of EPD	Third party verified EPD
Parent EPD number	-
Scope of the EPD	Cradle to gate with options, A4-A5, and modules C1-C4, D
EPD author	Fredrik Nilsson REC Indovent AB
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	D.V as an authorized verifier for EPD Hub

This EPD is intended for business-to-business and/or business-to-consumer communication. 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	Spiro - G
Additional labels	-
Product reference	-
Place(s) of raw material origin	Italy
Place of production	Italy
Place(s) of installation and use	Sweden
Period for data	Jan 2024 - Dec 2024
Averaging in EPD	No grouping
Variation in GWP-fossil for A1-A3 (%)	0%
GTIN (Global Trade Item Number)	N/A
NOBB (Norwegian Building Product Database)	N/A
A1-A3 Specific data (%)	4,17

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg Rec Indovent Spiro-G with fastening frame
Declared unit mass	1 kg
Mass of packaging	0,1291 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	2,83
GWP-total, A1-A3 (kgCO ₂ e)	2,61
Secondary material, inputs (%)	37,8
Secondary material, outputs (%)	95
Total energy use, A1-A3 (kWh)	10,8
Net freshwater use, A1-A3 (m ³)	0,06

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Manufacturer of supreme quality, flexible smoke and air ventilation pipes/ducts. As well as manufacturing ventilation units and other ventilation components.

PRODUCT DESCRIPTION

Spiro-G is manufactured from galvanized sheet steel.

The flange is rounded with a radius corresponding to the spiro diameter, and the rear side is equipped with a rubber gasket that seals against the duct.

The adjustable louvres of the grille allow the airflow to be directed in the desired direction.

Horizontal louvres (HS) direct the airflow upwards or downwards, while vertical louvres (VS) direct the airflow sideways.

Further information can be found at:
www.rec-indovent.se

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	100%	Italy
Minerals	0%	Not part of product
Fossil materials	0%	Not part of product
Bio-based materials	0%	Not part of product

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	0,051

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg Rec Indovent Air Valve with fastening frame
Mass per declared unit	1 kg
Functional unit	N/A
Reference service life	N/A

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.

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	ND	ND	ND	ND	ND	ND	ND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Not declared = ND.

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. 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.

A market-based approach is used in modelling the electricity mix utilized in the factory.

The production of Spiro - G begins with large sheet-metal panels, which are precision-punched into smaller actuator blanks. These blanks are then folded, pressed, and formed, before being welded into their final shape. Finished products are placed in cartons, the cartons are then placed on pallets for transport.

The highest material loss occurs during the punching operation, where excess sheet-metal material is removed, all offcuts are collected and sent for recycling. Other stages generate little to no additional waste, as the workflow is largely assembly-focused rather than subtractive manufacturing.

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.

REC keeps transport losses down through cooperation with local suppliers of constituent components. Transport is calculated based on a weighted average of 115 km for sales and transport in 2024. Transport from facility in Italy to Sweden is calculated to be 1700 km by lorry.

The product is sold ready for installation; no raw material waste is generated by the installation (A5).

Post-treatment of product packaging is declared and the average EU scenario per packaging material has been applied with different quotas regarding recycling, incineration and landfill.

PRODUCT USE AND MAINTENANCE (B1-B7)

This EPD does not cover the user phase. Air, soil, and water impacts during the use phase have not been applied.

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

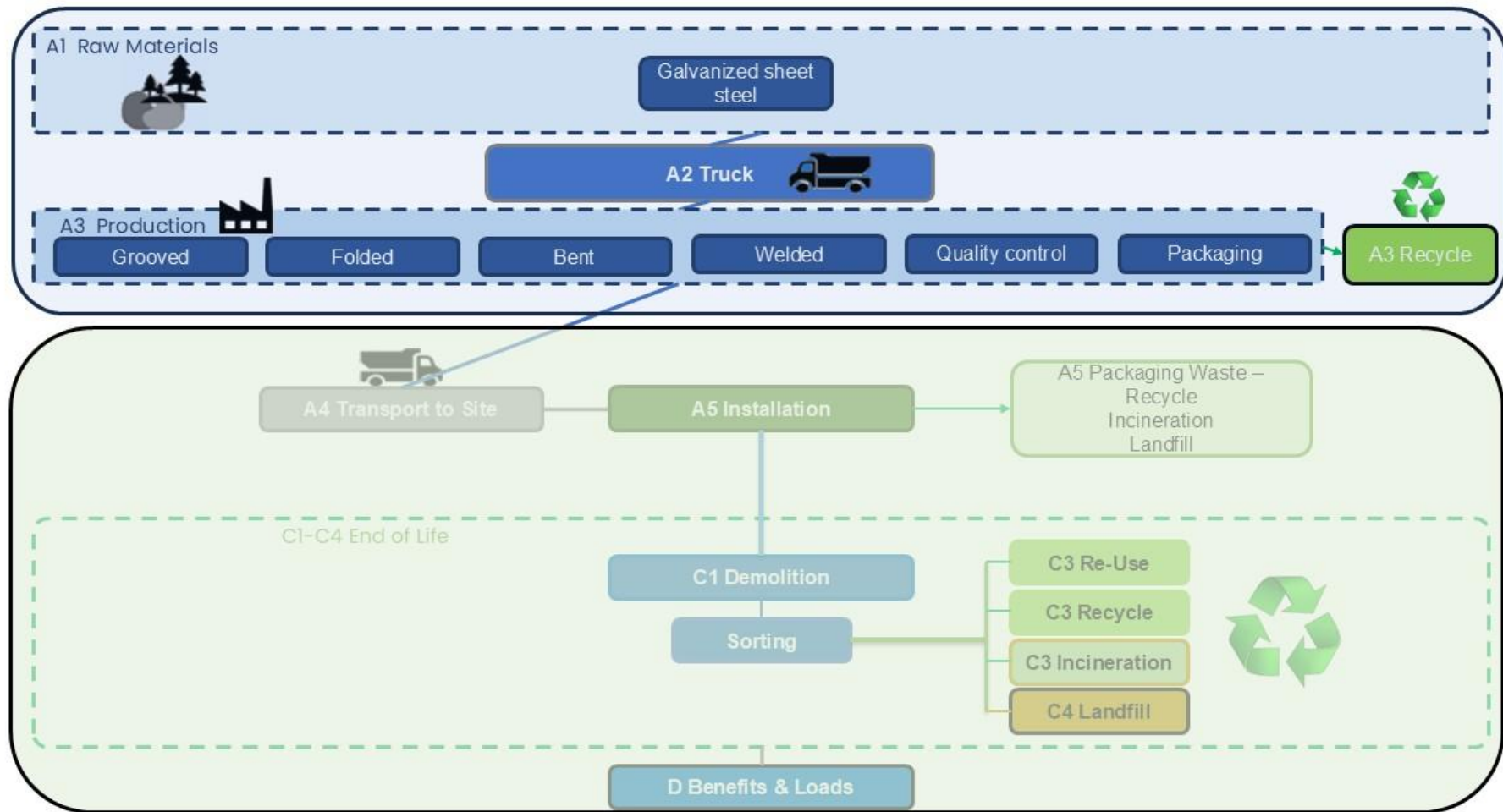
PRODUCT END OF LIFE (C1-C4, D)

The product is dismantled using an electric power tool, disassembled and disposed of.

100% of the waste is collected and transported for waste treatment. The transport distance to treatment is assumed to be 50 km, and the mode of transport is assumed to be a truck. The material is assumed to be sorted and recycled in accordance with Swedish waste management standards. 100% of the product is steel, where 95% is assumed to be recycled and 5 % is assumed to be landfilled.

MANUFACTURING PROCESS

Life-cycle diagram for EPD Spiro-G



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 that is 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.

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.

VALIDATION OF DATA

Data collection for production, transport, and packaging was conducted using time and site-specific information, as defined in the general information section on page 1 and 2. Upstream process calculations rely on generic data as defined in the Bibliography section. Manufacturer-provided specific and generic data were used for the product's manufacturing stage. The analysis was performed in One Click LCA EPD Generator, with the 'Cut-Off, EN 15804+A2' allocation method, and characterization factors according to EN 15804:2012+A2:2019/AC:2021 and JRC EF 3.1.

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 made according to the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging material	Allocated by mass or volume
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	No allocation

PRODUCT & MANUFACTURING SITES GROUPING

Type of grouping	No grouping
Grouping method	Not applicable
Variation in GWP-fossil for A1-A3, %	-

The percentage of average material in the product is calculated for one Kg. The finished product is manufactured in several sizes and weights. Scaling of materials is linear and therefore is 1 kg representative for all products covered by this EPD.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator for EPD Hub V3 and EPD Process Certification v3.2.4. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1 environmental data sources follow the methodology 'allocation, Cut-off, EN 15804+A2'.

ENVIRONMENTAL IMPACT DATA

The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	2,64E+00	1,26E-02	-4,66E-02	2,61E+00	2,07E-01	2,19E-01	ND	ND	ND	ND	ND	ND	ND	7,38E-05	5,39E-03	5,00E-02	1,03E-03	-1,21E+00
GWP – fossil	kg CO ₂ e	2,66E+00	1,26E-02	1,66E-01	2,83E+00	2,07E-01	3,16E-03	ND	ND	ND	ND	ND	ND	ND	6,35E-05	5,38E-03	2,07E-02	3,12E-04	-1,21E+00
GWP – biogenic	kg CO ₂ e	-1,63E-02	2,34E-08	-2,14E-01	-2,30E-01	4,68E-05	2,16E-01	ND	ND	ND	ND	ND	ND	ND	1,41E-06	1,22E-06	2,93E-02	7,16E-04	3,72E-04
GWP – LULUC	kg CO ₂ e	3,25E-03	5,62E-06	1,52E-03	4,77E-03	9,24E-05	1,03E-05	ND	ND	ND	ND	ND	ND	ND	8,92E-06	2,41E-06	1,71E-05	1,78E-07	-2,67E-04
Ozone depletion pot.	kg CFC ₁₁ e	5,76E-07	1,85E-10	5,58E-09	5,82E-07	3,05E-09	3,77E-11	ND	ND	ND	ND	ND	ND	ND	1,88E-12	7,95E-11	1,39E-10	9,04E-12	-4,70E-09
Acidification potential	mol H ⁺ e	1,53E-02	4,28E-05	1,05E-03	1,64E-02	7,04E-04	2,11E-05	ND	ND	ND	ND	ND	ND	ND	3,56E-07	1,84E-05	9,18E-05	2,21E-06	-5,04E-03
EP-freshwater ²⁾	kg Pe	4,21E-04	9,77E-07	3,52E-05	4,57E-04	1,61E-05	9,63E-07	ND	ND	ND	ND	ND	ND	ND	2,28E-08	4,19E-07	8,12E-06	2,57E-08	-5,36E-04
EP-marine	kg Ne	2,74E-03	1,41E-05	2,03E-04	2,95E-03	2,31E-04	1,62E-05	ND	ND	ND	ND	ND	ND	ND	1,06E-07	6,03E-06	4,33E-05	8,44E-07	-1,07E-03
EP-terrestrial	mol Ne	4,47E-02	1,53E-04	1,87E-03	4,67E-02	2,52E-03	9,37E-05	ND	ND	ND	ND	ND	ND	ND	9,76E-07	6,56E-05	2,42E-04	9,21E-06	-1,17E-02
POCP (“smog”) ³⁾	kg NMVOce	8,43E-03	6,31E-05	6,49E-04	9,14E-03	1,04E-03	2,67E-05	ND	ND	ND	ND	ND	ND	ND	2,45E-07	2,70E-05	7,18E-05	3,30E-06	-3,96E-03
ADP-minerals & metals ⁴⁾	kg Sbe	2,59E-04	3,50E-08	5,33E-07	2,60E-04	5,76E-07	1,34E-08	ND	ND	ND	ND	ND	ND	ND	1,48E-09	1,50E-08	3,74E-07	4,96E-10	-1,14E-05
ADP-fossil resources	MJ	2,91E+01	1,82E-01	2,42E+00	3,17E+01	3,00E+00	4,21E-02	ND	ND	ND	ND	ND	ND	ND	1,05E-02	7,81E-02	1,55E-01	7,66E-03	-1,15E+01
Water use ⁵⁾	m ³ e depr.	1,13E+00	9,00E-04	1,12E+00	2,25E+00	1,48E-02	3,75E-03	ND	ND	ND	ND	ND	ND	ND	5,76E-04	3,86E-04	4,86E-03	2,21E-05	-2,14E-01

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO₄e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, EF 3.1

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	0,00E+00	1,26E-09	1,04E-08	1,16E-08	2,07E-08	2,80E-10	ND	ND	ND	ND	ND	ND	ND	6,17E-12	5,39E-10	1,64E-09	5,04E-11	-7,95E-08
Ionizing radiation ⁶⁾	kBq 11235e	0,00E+00	1,59E-04	2,29E-02	2,31E-02	2,61E-03	8,91E-04	ND	ND	ND	ND	ND	ND	ND	7,63E-04	6,80E-05	2,22E-03	4,82E-06	1,93E-02
Ecotoxicity (freshwater)	CTUe	0,00E+00	2,58E-02	4,97E-01	5,22E-01	4,24E-01	4,99E-02	ND	ND	ND	ND	ND	ND	ND	5,61E-04	1,10E-02	2,59E-01	6,43E-04	-2,96E+00
Human toxicity, cancer	CTUh	0,00E+00	2,07E-12	1,78E-10	1,80E-10	3,41E-11	3,50E-12	ND	ND	ND	ND	ND	ND	ND	5,86E-14	8,88E-13	2,37E-11	5,75E-14	-2,02E-10
Human tox. non-cancer	CTUh	0,00E+00	1,18E-10	1,23E-09	1,34E-09	1,94E-09	2,21E-10	ND	ND	ND	ND	ND	ND	ND	1,83E-12	5,06E-11	5,89E-10	1,32E-12	-9,90E-09
SQP ⁷⁾	-	0,00E+00	1,83E-01	1,48E+01	1,50E+01	3,02E+00	2,18E-02	ND	ND	ND	ND	ND	ND	ND	2,24E-03	7,87E-02	8,09E-01	1,51E-02	-3,76E+00

6) EN 15804+A2 disclaimer for Ionizing radiation, human health. This impact category deals mainly with the eventual impact of low-dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	4,60E+00	2,50E-03	9,15E-01	5,52E+00	4,11E-02	-1,98E+00	ND	ND	ND	ND	ND	ND	ND	7,14E-03	1,07E-03	2,93E-02	7,39E-05	-1,00E+00
Renew. PER as material	MJ	1,81E-01	0,00E+00	1,86E+00	2,04E+00	0,00E+00	-1,88E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	-1,51E-01	-7,93E-03	-2,38E-03
Total use of renew. PER	MJ	4,79E+00	2,50E-03	2,77E+00	7,56E+00	4,11E-02	-3,86E+00	ND	ND	ND	ND	ND	ND	ND	7,14E-03	1,07E-03	-1,21E-01	-7,85E-03	-1,00E+00
Non-re. PER as energy	MJ	3,06E+01	1,82E-01	2,41E+00	3,32E+01	3,00E+00	4,21E-02	ND	ND	ND	ND	ND	ND	ND	1,05E-02	7,81E-02	1,55E-01	7,66E-03	-1,15E+01
Non-re. PER as material	MJ	8,24E-01	0,00E+00	-3,74E-03	8,20E-01	0,00E+00	-9,75E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	-6,87E-01	-3,61E-02	-2,18E-05
Total use of non-re. PER	MJ	3,15E+01	1,82E-01	2,40E+00	3,40E+01	3,00E+00	-5,54E-02	ND	ND	ND	ND	ND	ND	ND	1,05E-02	7,81E-02	-5,32E-01	-2,85E-02	-1,15E+01
Secondary materials	kg	3,78E-01	7,75E-05	3,80E-02	4,16E-01	1,28E-03	5,05E-05	ND	ND	ND	ND	ND	ND	ND	1,25E-06	3,32E-05	2,96E-04	1,93E-06	6,23E-01
Renew. secondary fuels	MJ	1,95E-02	9,85E-07	5,22E-02	7,17E-02	1,62E-05	2,12E-07	ND	ND	ND	ND	ND	ND	ND	4,01E-09	4,22E-07	2,30E-05	3,99E-08	-1,40E-04
Non-ren. secondary fuels	MJ	8,25E-03	0,00E+00	0,00E+00	8,25E-03	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	6,17E-02	2,69E-05	1,28E-03	6,30E-02	4,43E-04	2,25E-05	ND	ND	ND	ND	ND	ND	ND	1,36E-05	1,15E-05	7,87E-05	7,97E-06	-3,50E-03

8) PER = Primary energy resources.

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	1,40E-01	3,09E-04	4,02E-03	1,45E-01	5,08E-03	7,62E-04	ND	ND	ND	ND	ND	ND	ND	7,46E-06	1,32E-04	2,19E-03	8,46E-06	-3,80E-01
Non-hazardous waste	kg	6,09E-01	5,71E-03	1,09E-01	7,23E-01	9,40E-02	1,15E-01	ND	ND	ND	ND	ND	ND	ND	1,47E-04	2,45E-03	1,24E-01	1,93E-04	-3,16E+00
Radioactive waste	kg	1,89E-01	3,88E-08	3,41E-06	1,89E-01	6,39E-07	1,95E-07	ND	ND	ND	ND	ND	ND	ND	1,63E-07	1,67E-08	5,69E-07	1,17E-09	5,09E-06

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	2,24E-02	0,00E+00	0,00E+00	2,24E-02	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	1,23E-01	0,00E+00	1,40E-01	2,63E-01	0,00E+00	3,56E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	9,50E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	1,06E-03	0,00E+00	8,58E-23	1,06E-03	0,00E+00	8,60E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	1,92E-02	0,00E+00	0,00E+00	1,92E-02	0,00E+00	1,06E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy – Electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,85E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy – Heat	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,78E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

SCENARIO DOCUMENTATION

DATA SOURCES

Manufacturing energy scenario documentation

1. Electricity, Italy, residual mix, 2024, Italy, One Click LCA, 0.52 kgCO₂e/kWh

Transport scenario documentation - A4 (Transport resources)

1. Market for transport, freight, lorry >32 metric ton, EURO5, 1700 km

Installation scenario documentation - A5 (Installation resources)

1. Market for electricity, medium voltage, Ecoinvent, 0.0025 kWh

Installation scenario documentation - A5 (Installation waste)

1. Treatment of waste paperboard, unsorted, sorting, Ecoinvent, Materials for recycling, 0.027 kg
2. Treatment of waste packaging paper, municipal incineration, Ecoinvent, 0.0026 kg
3. Treatment of waste packaging paper, sanitary landfill, Ecoinvent, 0.003 kg
4. Exported Energy: Electricity, Ecoinvent, 0.0053 MJ
5. Exported Energy: Electricity, Ecoinvent, 0.38 MJ
6. Exported Energy: Thermal, Ecoinvent, 0.0076 MJ
7. Exported Energy: Thermal, Ecoinvent, 0.67 MJ
8. Treatment of waste wood, untreated, municipal incineration, Ecoinvent, Materials for energy recovery, 0.086 kg
9. Wood chipping, industrial residual wood, stationary electric chipper, Ecoinvent, Materials for recycling, 0.0086 kg
10. Treatment of waste wood, untreated, sanitary landfill, Ecoinvent, 9.6E-4 kg

End-of-life scenario documentation - C1-C4 (Data source)

1. Market for electricity, medium voltage, Ecoinvent, 0.0025 kWh
2. Treatment of metal scrap, mixed, for recycling, unsorted, sorting, Ecoinvent,

Materials for recycling, 0.95 kg

3. Treatment of scrap steel, inert material landfill, Ecoinvent, 0.05 kg

Scenario information	Value
Scenario assumptions e.g. transportation	Assumed transportation distance: 50 km. Assumed waste steel scenario: 95% recycling, 5% landfill. Assumed waste EPDM rubber scenario: 47% recycling, 41% incineration, 12% landfill

THIRD-PARTY VERIFICATION STATEMENT

EPD Hub declares that this EPD is verified in accordance with ISO 14025 by an independent, third-party verifier. The project report on the Life Cycle Assessment and the report(s) on features of environmental relevance are filed at EPD Hub. EPD Hub PCR and ECO Platform verification checklist are used.

EPD Hub is not able to identify any unjustified deviations from the PCR and EN 15804+A2 in the Environmental Product Declaration and its project report.

EPD Hub maintains its independence as a third-party body; it was not involved in the execution of the LCA or in the development of the declaration and has no conflicts of interest regarding this verification.

The company-specific data and upstream and downstream data have been examined as regards plausibility and consistency. The publisher is responsible for ensuring the factual integrity and legal compliance of this declaration.

The software used in creation of this LCA and EPD is verified by EPD Hub to conform to the procedural and methodological requirements outlined in ISO 14025:2010, ISO 14040/14044, EN 15804+A2, and EPD Hub Core Product Category Rules and General Program Instructions.

Verified tools

Tool verifier: Magaly Gonzalez Vazquez

Tool verification validity: 27 March 2025 - 26 March 2028

D.V as an authorized verifier for EPD Hub Limited 01.07.2026



GTIN	Artikelkod	Benämning	Vikt Kg	GWP-Fossil, A1-A3	2,83E+00
		Average/ medel	2,2	6,20	Kg CO ₂ e/Item
7340215105507	80007001	SPIRO-G Ø200-400 HS 225x75	0,5	1,34	Kg CO ₂ e/Item
7340215105514	80007002	SPIRO-G Ø200-400 HS 325x75	0,7	1,90	Kg CO ₂ e/Item
7340215105521	80007003	SPIRO-G Ø200-400 HS 425x75	0,9	2,45	Kg CO ₂ e/Item
7340215105538	80007004	SPIRO-G Ø200-400 HS 525x75	1,1	3,03	Kg CO ₂ e/Item
7340215105545	80007005	SPIRO-G Ø200-400 HS 625x75	1,3	3,62	Kg CO ₂ e/Item
7340215105552	80007006	SPIRO-G Ø200-400 HS 825x75	1,7	4,71	Kg CO ₂ e/Item
7340215105569	80007007	SPIRO-G Ø200-400 HS 1025x75	2,1	5,92	Kg CO ₂ e/Item
7340215105576	80007008	SPIRO-G Ø200-400 HS 1225x75	2,5	7,11	Kg CO ₂ e/Item
7340215105583	80007010	SPIRO-G Ø400-800 HS 225x125	0,7	1,94	Kg CO ₂ e/Item
7340215105590	80007011	SPIRO-G Ø400-800 HS 325x125	1,0	2,70	Kg CO ₂ e/Item
7340215105606	80007012	SPIRO-G Ø400-800 HS 425x125	1,2	3,46	Kg CO ₂ e/Item
7340215105613	80007013	SPIRO-G Ø400-800 HS 525x125	1,6	4,48	Kg CO ₂ e/Item
7340215105620	80007014	SPIRO-G Ø400-800 HS 625x125	1,8	5,15	Kg CO ₂ e/Item
7340215105637	80007015	SPIRO-G Ø400-800 HS 825x125	2,3	6,64	Kg CO ₂ e/Item
7340215105644	80007016	SPIRO-G Ø400-800 HS 1025x125	2,9	8,28	Kg CO ₂ e/Item
7340215105651	80007017	SPIRO-G Ø400-800 HS 1225x125	3,5	9,83	Kg CO ₂ e/Item
7340215105668	80007021	SPIRO-G Ø800-1200 HS 425x225	2,1	5,84	Kg CO ₂ e/Item
7340215105675	80007022	SPIRO-G Ø800-1200 HS 525x225	2,5	7,10	Kg CO ₂ e/Item
7340215105682	80007023	SPIRO-G Ø800-1200 HS 625x225	3,1	8,67	Kg CO ₂ e/Item
7340215105699	80007024	SPIRO-G Ø800-1200 HS 825x225	3,9	11,14	Kg CO ₂ e/Item
7340215105705	80007025	SPIRO-G Ø800-1200 HS 1025x225	4,9	13,75	Kg CO ₂ e/Item
7340215105712	80007026	SPIRO-G Ø800-1200 HS 1225x225	5,8	16,48	Kg CO ₂ e/Item

GTIN	Artikelkod	Benämning	Vikt Kg	GWP-Fossil, A1-A3	2,83E+00
7340215105729	80007030	SPIRO-G Ø200-400 VS 225x75	0,5	1,40	Kg CO ₂ e/Item
7340215105736	80007031	SPIRO-G Ø200-400 VS 325x75	0,7	1,95	Kg CO ₂ e/Item
7340215105743	80007032	SPIRO-G Ø200-400 VS 425x75	0,9	2,53	Kg CO ₂ e/Item
7340215105750	80007033	SPIRO-G Ø200-400 VS 525x75	1,1	3,14	Kg CO ₂ e/Item
7340215105767	80007034	SPIRO-G Ø200-400 VS 625x75	1,3	3,69	Kg CO ₂ e/Item
7340215105774	80007035	SPIRO-G Ø200-400 VS 825x75	1,7	4,82	Kg CO ₂ e/Item
7340215105781	80007036	SPIRO-G Ø200-400 VS 1025x75	2,1	6,06	Kg CO ₂ e/Item
7340215105798	80007037	SPIRO-G Ø200-400 VS 1225x75	2,9	8,24	Kg CO ₂ e/Item
7340215105804	80007040	SPIRO-G Ø400-800 VS 225x125	0,7	2,00	Kg CO ₂ e/Item
7340215105811	80007041	SPIRO-G Ø400-800 VS 325x125	1,0	2,82	Kg CO ₂ e/Item
7340215105828	80007042	SPIRO-G Ø400-800 VS 425x125	1,3	3,63	Kg CO ₂ e/Item
7340215105835	80007043	SPIRO-G Ø400-800 VS 525x125	1,6	4,48	Kg CO ₂ e/Item
7340215105842	80007044	SPIRO-G Ø400-800 VS 625x125	1,9	5,27	Kg CO ₂ e/Item
7340215105859	80007045	SPIRO-G Ø400-800 VS 825x125	2,4	6,84	Kg CO ₂ e/Item
7340215105866	80007046	SPIRO-G Ø400-800 VS 1025x125	3,0	8,62	Kg CO ₂ e/Item
7340215105873	80007047	SPIRO-G Ø400-800 VS 1225x125	3,6	10,11	Kg CO ₂ e/Item
7340215105880	80007050	SPIRO-G Ø800-1200 VS 325x225	1,7	4,67	Kg CO ₂ e/Item
7340215105897	80007051	SPIRO-G Ø800-1200 VS 425x225	2,1	5,98	Kg CO ₂ e/Item
7340215105903	80007052	SPIRO-G Ø800-1200 VS 525x225	2,6	7,31	Kg CO ₂ e/Item
7340215105910	80007053	SPIRO-G Ø800-1200 VS 625x225	3,0	8,59	Kg CO ₂ e/Item
7340215105927	80007054	SPIRO-G Ø800-1200 VS 825x225	3,9	11,17	Kg CO ₂ e/Item
7340215105934	80007055	SPIRO-G Ø800-1200 VS 1025x225	4,9	13,87	Kg CO ₂ e/Item
7340215105941	80007056	SPIRO-G Ø800-1200 VS 1225x225	5,8	16,48	Kg CO ₂ e/Item