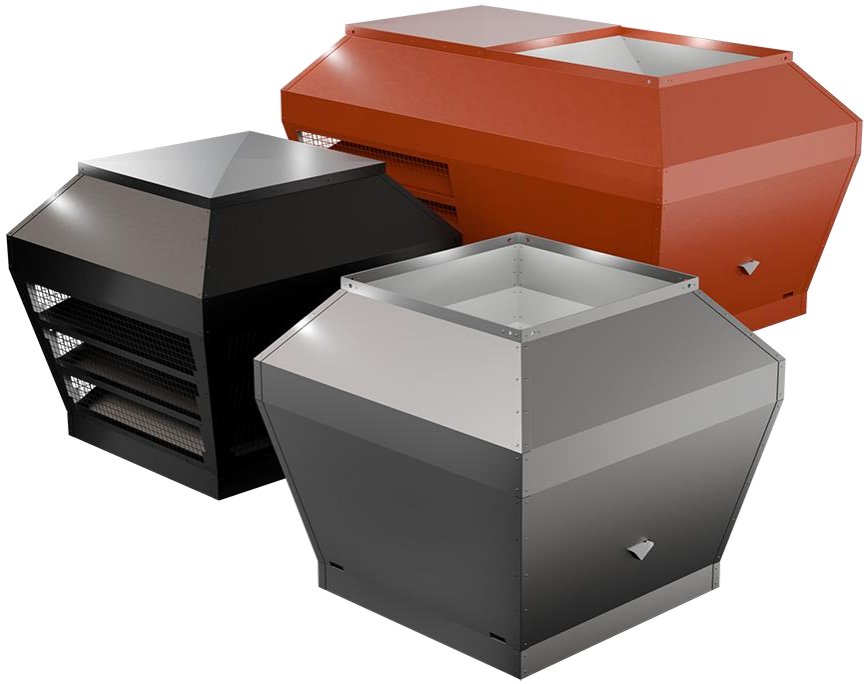
ENVIRONMENTAL PRODUCT DECLARATION

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

Roof hoods in metal and colour-coated steel
Swegon Group AB



EPD HUB, HUB-2896
Published on 14.02.2025, last updated on 14.02.2025, valid until 13.02.2030

Created with One Click LCA

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Swegon Group AB
Address	J A Wettergrens gata 7, 421 30, Västra Frölunda, Sweden
Contact details	info@swegon.se
Website	www.swegon.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 1.1, 5 Dec 2023
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	Heloise Hedbom
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Imane Uald Lamkaddam as an authorized verifier for 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

Product name	Roof hoods in metal and colour-coated steel
Additional labels	FJ, GH-family, H-family, JET, KH, S-family, TH-family, TREND-family, VF, and VHS-family
Product reference	-
Place of production	Borås, Sweden
Period for data	2023
Averaging in EPD	Multiple products
Variation in GWP-fossil for A1-A3	+6%/-5,5%

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg of roof hood
Declared unit mass	1 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	4,00E+00
GWP-total, A1-A3 ($kgCO_2e$)	3,67E+00
Secondary material, inputs (%)	10.3
Secondary material, outputs (%)	85
Total energy use, A1-A3 (kWh)	14.9
Net freshwater use, A1-A3 (m^3)	0.01

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

People spend most of their time indoors, which is why we need a sound indoor climate for our health, well-being, and happiness. Swegon's ambition is to achieve the world's best indoor environment with the least possible impact on the external environment. Our business models, services, products, and systems are all designed to provide the right solution for each individual project.
Swegon Group AB is a market leading supplier in the field of indoor environment, offering solutions for ventilation, heating, cooling and climate optimization, as well as connected services and expert technical support. Swegon has subsidiaries in and distributors all over the world and 21 production plants in Europe, North America, and India. The company employs more than 3 300 people

PRODUCT DESCRIPTION

Our extensive range of roof hoods is engineered and manufactured to not only meet but exceed expectations for performance, and energy efficiency. With optimised designs, they feature lightweight construction, ensuring ease of handling and installation for any project. Versatile and adaptable, our roof hoods are ideal for both industrial and residential applications.

This EPD covers products featuring innovative material options such as patented colour-coated steel based on rapeseed oil, zinc-magnesium steel, or even post-coating treatments, ensuring durability and allows colour customisation to suit your specific needs.

Please visit https://www.swegon.com/sv/produkter-och-tjanster/luftdistribution/takhuvar/ for more information on the product and further information can be found at https://www.swegon.com/.

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	99,97	Europe, Asia
Minerals		
Fossil materials	0,03	Europe
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	0,092

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg of roof hood
Mass per declared unit	1 kg
Functional unit	-
Reference service life	30 years

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		
×	×	×	×	×	MND	MND	MND	MND	MND	MND	MND	×	×	×	×	×		
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

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.

Swegon roof hoods primarily consists of steel sourced from Europe. The steel arrives as pre-cut sheets, which are processed at Swegon's Borås facility, involving punching, bending, assembling, and optional powder coating according to the customers' requirements. The finished product is then packaged appropriately.

Waste streams from the manufacturing process includes metal scrap which is sent off for recycling. The facility's electricity is supplied from renewable sources, including approximately 30% from on-site solar panels.

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.

Transportation to construction site is calculated based on a weighted average of sales and transportations in 2023. The product is sold ready to be installed and no raw material waste is generated from installation (A5). The end of life treatment of product packaging is declared and average EU scenario per packaging material has been applied with different ratios of recycling, incineration and disposal in landfill.

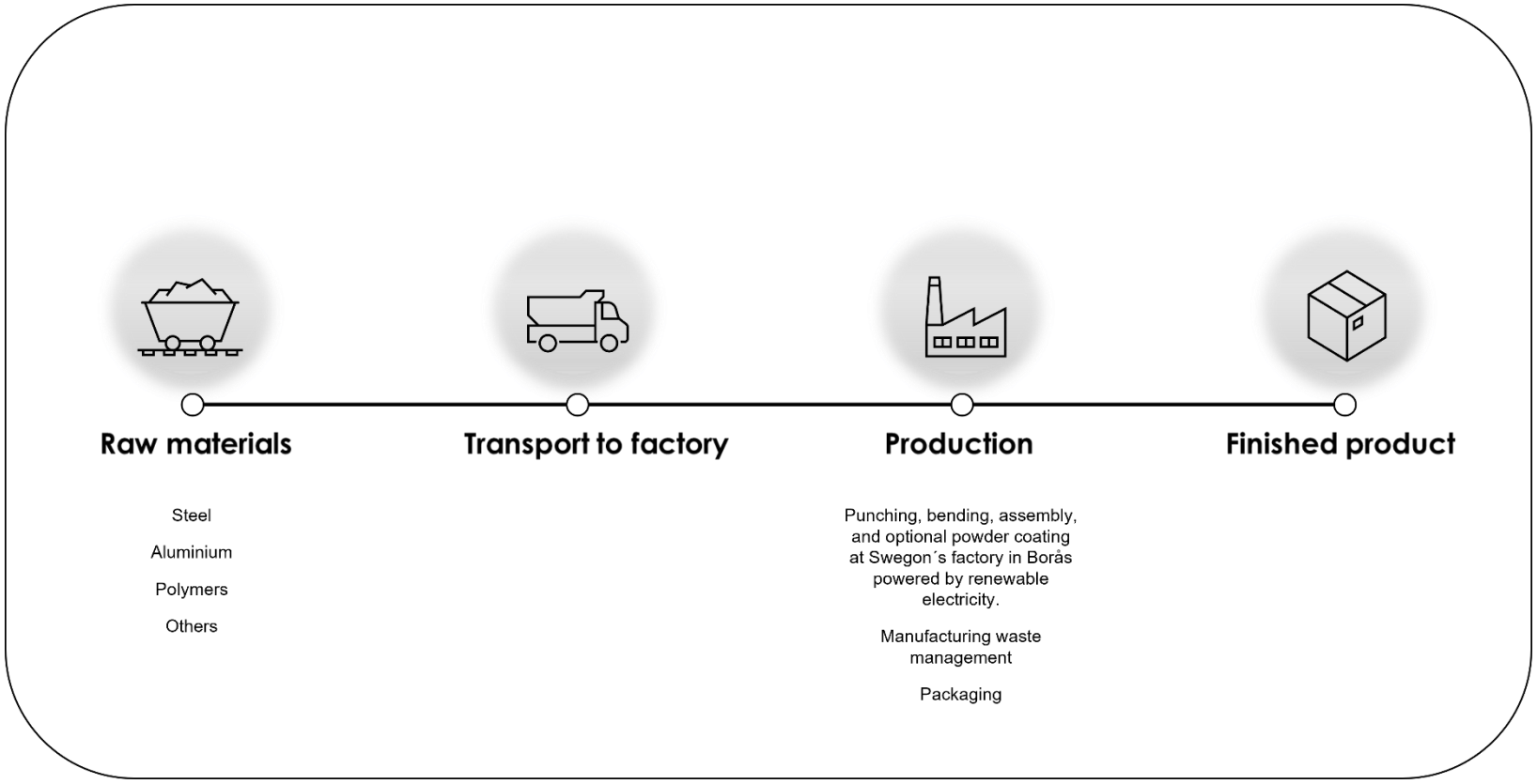
PRODUCT USE AND MAINTENANCE (B1-B7)

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)

At the end of product life, the roof hood is assumed to be demolished. The impact of deconstruction (C1) is modelled based on literature data for energy use in demolition. Waste processing (C3) and disposal (C4) is modelled with consideration to the markets the roof hood is sold. The applied scenarios, which are based on literature data, include different ratios of material recycling, incineration and landfill for the input materials.

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. 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 material	Allocated by mass or volume
Ancillary materials	No allocation
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	Multiple products
Averaging method	Averaged by shares of total mass
Variation in GWP-fossil for A1-A3	+6%/-5,5%

To investigate variations in environmental impact, two extreme product cases were modelled and analysed. Based on these two models, an average was calculated based on weight. GWP fossil for modules A1-A3 for the size with the highest respective lowest impact included in this EPD, differs from the average with +6,0% respective -5,5%.

This EPD covers the roof hood products FJ, GH-family, H-family, JET, KH, S-family, TH-family, TREND-family, VF, and VHS-family. Please find a selection of the included products, their corresponding weight and GWP-GHG impact in Annex 1.

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. The EPD Generator uses Ecoinvent v3.8, Plastics Europe, Federal LCA Commons and One Click LCA databases as sources of environmental data.

ENVIRONMENTAL IMPACT DATA

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total[1)]	kg CO_2e	3,78E+00	1,26E-01	-2,43E-01	3,67E+00	4,59E-02	3,40E-01	MND	MND	MND	MND	MND	MND	MND	3,31E-03	4,54E-03	4,91E-02	8,22E-04	-1,46E+00
GWP – fossil	kg CO_2e	3,78E+00	1,26E-01	9,20E-02	4,00E+00	4,59E-02	4,27E-03	MND	MND	MND	MND	MND	MND	MND	3,31E-03	4,54E-03	4,91E-02	8,21E-04	-1,46E+00
GWP – biogenic	kg CO_2e	0,00E+00	0,00E+00	-3,36E-01	-3,36E-01	0,00E+00	3,36E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
GWP – LULUC	kg CO_2e	1,95E-03	5,00E-05	4,72E-04	2,47E-03	1,92E-05	3,19E-06	MND	MND	MND	MND	MND	MND	MND	3,30E-07	1,76E-06	5,00E-06	7,70E-07	-2,45E-04
Ozone depletion pot.	kg CFC_{-11}e	2,70E-08	2,95E-08	1,33E-08	6,98E-08	9,91E-09	5,66E-10	MND	MND	MND	MND	MND	MND	MND	7,07E-10	1,07E-09	1,03E-08	3,22E-10	-5,52E-08
Acidification potential	mol H^+e	1,02E-02	5,09E-04	7,59E-04	1,15E-02	1,35E-04	2,62E-05	MND	MND	MND	MND	MND	MND	MND	3,44E-05	1,47E-05	5,04E-04	7,57E-06	-7,16E-03
EP-freshwater[2)]	kg Pe	1,23E-05	1,04E-06	5,48E-06	1,88E-05	3,90E-07	1,15E-07	MND	MND	MND	MND	MND	MND	MND	1,10E-08	3,83E-08	1,68E-07	8,98E-09	-6,53E-05
EP-marine	kg Ne	2,44E-03	1,15E-04	2,48E-04	2,80E-03	2,70E-05	2,13E-05	MND	MND	MND	MND	MND	MND	MND	1,52E-05	3,24E-06	2,23E-04	2,71E-06	-1,29E-03
EP-terrestrial	mol Ne	2,65E-02	1,27E-03	2,34E-03	3,01E-02	3,00E-04	9,49E-05	MND	MND	MND	MND	MND	MND	MND	1,67E-04	3,59E-05	2,44E-03	2,87E-05	-1,50E-02
POCP ("smog")[3)]	kg NMVOCe	8,09E-03	4,53E-04	5,23E-04	9,07E-03	1,13E-04	2,92E-05	MND	MND	MND	MND	MND	MND	MND	4,59E-05	1,39E-05	6,72E-04	8,35E-06	-7,05E-03
ADP-minerals & metals[4)]	kg Sbe	9,95E-05	3,09E-07	2,93E-06	1,03E-04	1,63E-07	2,40E-08	MND	MND	MND	MND	MND	MND	MND	1,68E-09	1,11E-08	3,15E-08	1,87E-09	-2,42E-05
ADP-fossil resources	MJ	3,95E+01	1,96E+00	1,32E+00	4,28E+01	6,66E-01	5,62E-02	MND	MND	MND	MND	MND	MND	MND	4,45E-02	7,10E-02	6,52E-01	2,20E-02	-1,31E+01
Water use[5)]	m^3e depr.	5,45E-01	8,69E-03	6,60E-02	6,20E-01	2,94E-03	4,38E-03	MND	MND	MND	MND	MND	MND	MND	1,20E-04	3,17E-04	1,82E-03	7,27E-05	-2,47E-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, PEF

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	1,98E-08	1,39E-08	8,69E-09	4,23E-08	3,66E-09	4,00E-10	MND	MND	MND	MND	MND	MND	MND	9,22E-10	5,13E-10	1,35E-08	1,52E-10	-9,59E-08
Ionizing radiation[6)]	kBq U235e	3,14E-02	9,42E-03	8,42E-03	4,92E-02	3,11E-03	5,15E-04	MND	MND	MND	MND	MND	MND	MND	2,05E-04	3,40E-04	3,01E-03	9,98E-05	2,63E-02
Ecotoxicity (freshwater)	CTUe	5,74E+00	1,72E+00	4,15E+00	1,16E+01	6,10E-01	1,32E-01	MND	MND	MND	MND	MND	MND	MND	2,68E-02	6,31E-02	4,09E-01	3,37E-01	-4,86E+01
Human toxicity, cancer	CTUh	3,62E-10	4,39E-11	9,12E-11	4,97E-10	1,72E-11	6,27E-12	MND	MND	MND	MND	MND	MND	MND	1,03E-12	1,55E-12	1,54E-11	3,73E-13	1,07E-08
Human tox. non-cancer	CTUh	8,37E-09	1,65E-09	2,93E-09	1,30E-08	5,54E-10	2,02E-10	MND	MND	MND	MND	MND	MND	MND	1,94E-11	6,07E-11	2,91E-10	9,77E-12	-3,36E-08
SQP[7)]	-	6,43E-01	2,17E+00	6,22E+00	9,04E+00	4,66E-01	6,65E-02	MND	MND	MND	MND	MND	MND	MND	5,79E-03	8,11E-02	9,29E-02	4,67E-02	-4,54E+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	2,56E+00	2,21E-02	8,18E+00	1,08E+01	7,91E-03	3,19E-03	MND	MND	MND	MND	MND	MND	MND	2,54E-04	8,03E-04	3,99E-03	2,08E-04	-1,11E+00
Renew. PER as material	MJ	0,00E+00	0,00E+00	2,93E+00	2,93E+00	0,00E+00	-2,93E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renew. PER	MJ	2,56E+00	2,21E-02	1,11E+01	1,37E+01	7,91E-03	-2,92E+00	MND	MND	MND	MND	MND	MND	MND	2,54E-04	8,03E-04	3,99E-03	2,08E-04	-1,11E+00
Non-re. PER as energy	MJ	3,96E+01	1,96E+00	1,33E+00	4,29E+01	6,66E-01	5,62E-02	MND	MND	MND	MND	MND	MND	MND	4,45E-02	7,10E-02	6,52E-01	2,20E-02	-1,31E+01
Non-re. PER as material	MJ	1,68E-04	0,00E+00	5,49E-03	5,66E-03	0,00E+00	-5,49E-03	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	-1,25E-04	-4,31E-05	0,00E+00
Total use of non-re. PER	MJ	3,96E+01	1,96E+00	1,33E+00	4,29E+01	6,66E-01	5,07E-02	MND	MND	MND	MND	MND	MND	MND	4,45E-02	7,10E-02	6,52E-01	2,19E-02	-1,31E+01
Secondary materials	kg	1,03E-01	5,55E-04	5,28E-02	1,56E-01	2,22E-04	5,36E-05	MND	MND	MND	MND	MND	MND	MND	1,74E-05	1,98E-05	2,58E-04	4,63E-06	7,34E-01
Renew. secondary fuels	MJ	6,82E-05	5,47E-06	3,76E-03	3,84E-03	2,88E-06	4,14E-07	MND	MND	MND	MND	MND	MND	MND	5,70E-08	2,00E-07	1,07E-06	1,24E-07	-1,79E-04
Non-ren. secondary fuels	MJ	1,24E-09	0,00E+00	0,00E+00	1,24E-09	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m^3	1,33E-02	2,50E-04	1,51E-03	1,50E-02	7,93E-05	2,40E-05	MND	MND	MND	MND	MND	MND	MND	2,70E-06	9,16E-06	4,18E-05	2,40E-05	-3,42E-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	5,70E-02	2,56E-03	5,75E-03	6,53E-02	9,63E-04	3,41E-04	MND	MND	MND	MND	MND	MND	MND	5,96E-05	9,33E-05	8,87E-04	0,00E+00	-4,51E-01
Non-hazardous waste	kg	5,40E-01	4,17E-02	1,40E-01	7,21E-01	1,54E-02	1,18E-01	MND	MND	MND	MND	MND	MND	MND	4,19E-04	1,53E-03	6,83E-03	1,51E-01	-2,66E+00
Radioactive waste	kg	4,55E-04	1,32E-05	6,07E-06	4,75E-04	4,43E-06	2,12E-07	MND	MND	MND	MND	MND	MND	MND	3,13E-07	4,78E-07	4,59E-06	0,00E+00	-2,77E-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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	0,00E+00	0,00E+00	7,76E-01	7,76E-01	0,00E+00	9,40E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	8,50E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	6,60E-04	6,60E-04	0,00E+00	5,58E-02	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	2,15E-04	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	8,50E-03	8,50E-03	0,00E+00	2,86E-01	MND	MND	MND	MND	MND	MND	MND	0,00E+00	0,00E+00	4,82E-03	0,00E+00	0,00E+00

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

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO_2e	3,72E+00	1,25E-01	9,26E-02	3,94E+00	4,54E-02	1,35E-02	MND	MND	MND	MND	MND	MND	MND	3,27E-03	4,49E-03	4,86E-02	8,03E-04	-1,39E+00
Ozone depletion Pot.	kg CFC_{-11}e	2,46E-08	2,34E-08	1,06E-08	5,85E-08	7,85E-09	4,58E-10	MND	MND	MND	MND	MND	MND	MND	5,60E-10	8,45E-10	8,19E-09	2,55E-10	-6,00E-08
Acidification	kg SO_2e	8,22E-03	4,12E-04	5,45E-04	9,18E-03	1,11E-04	1,98E-05	MND	MND	MND	MND	MND	MND	MND	2,45E-05	1,20E-05	3,59E-04	5,73E-06	-5,89E-03
Eutrophication	kg PO_4^3e	1,25E-03	8,04E-05	2,76E-04	1,61E-03	2,44E-05	2,35E-04	MND	MND	MND	MND	MND	MND	MND	5,69E-06	2,62E-06	8,42E-05	3,79E-06	-2,66E-03
POCP (“smog”)	kg C_2H_4e	1,15E-03	1,72E-05	3,47E-05	1,20E-03	5,50E-06	2,97E-06	MND	MND	MND	MND	MND	MND	MND	5,36E-07	5,52E-07	7,90E-06	2,44E-07	-8,03E-04
ADP-elements	kg Sbe	9,97E-05	3,00E-07	2,62E-06	1,03E-04	1,59E-07	2,34E-08	MND	MND	MND	MND	MND	MND	MND	1,65E-09	1,08E-08	3,10E-08	1,84E-09	-2,41E-05
ADP-fossil	MJ	3,80E+01	1,96E+00	1,23E+00	4,12E+01	6,66E-01	5,62E-02	MND	MND	MND	MND	MND	MND	MND	4,45E-02	7,10E-02	6,52E-01	2,20E-02	-1,31E+01

ENVIRONMENTAL IMPACTS – ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Radioactive waste, high	kg	1,66E-06	1,10E-07	4,27E-07	2,20E-06	3,48E-08	2,26E-08	MND	MND	MND	MND	MND	MND	MND	1,15E-09	3,99E-09	1,82E-08	8,90E-10	1,35E-06
Radioactive waste, int/low	kg	8,82E-06	1,31E-05	3,55E-06	2,55E-05	4,39E-06	2,94E-07	MND	MND	MND	MND	MND	MND	MND	3,12E-07	4,74E-07	4,57E-06	1,45E-07	-4,12E-06

ENVIRONMENTAL IMPACTS – GWP-GHG - THE INTERNATIONAL EPD SYSTEM

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG[9)]	kg CO_2e	3,78E+00	1,26E-01	9,24E-02	4,00E+00	4,59E-02	4,27E-03	MND	MND	MND	MND	MND	MND	MND	3,31E-03	4,54E-03	4,91E-02	8,22E-04	-1,46E+00

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013). In addition, the characterisation factors for the flows - CH4 fossil, CH4 biogenic and Dinitrogen monoxide - were updated in line with the guidance of IES PCR 1.2.5 Annex 1. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO2 is set to zero.

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.

Imane Uald lamkaddam, as an authorized verifier acting for EPD Hub Limited
14.02.2025

ANNEX 1

This EPD covers the environmental impact of Swegon roof hoods, which represent an average for various sizes and material designs, including patented colour-coated steel, zinc-magnesium steel, and powder colour-coated steel. The EPD includes all sizes and variants within the FJ, GH-family, H-family, JET, KH, S-family, TH-family, TREND-family, VF, and VHS-family. Please find a selection of included products listed in the table below.

The GWP-GHG impact presented for each size in the table has been calculated by multiplying the GWP-GHG for A1-A3 (as presented in this EPD) by the respective weight of each size. For variants not shown in the tables, the item specific GWP-GHG can be calculated by multiplying the weight from the product data sheet with the GWP-GHG for A1-A3 presented in this EPD.

ABC-AHZ

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10002-1001006	7332609182256	AHZ 200 Patented colour-coated steel	13	52
10002-1001016	7332609182263	AHZ 300 Patented colour-coated steel	19	76
10002-1001026	7332609182270	AHZ 400 Patented colour-coated steel	26	104
10002-1001036	7332609182287	AHZ 500 Patented colour-coated steel	33	132
10002-1001046	7332609182294	AHZ 600 Patented colour-coated steel	42	168
10002-1001056	7332609182300	AHZ 800 Patented colour-coated steel	80	320
10002-1001067	7332609182317	AHZ 1000 Patented colour-coated steel	98	392
10002-1001077	7332609182324	AHZ 1200 Patented colour-coated steel	138	552
10002-1001087	7332609182331	AHZ 1400 Patented colour-coated steel	190	760
10002-1001097	7332609182348	AHZ 1600 Patented colour-coated steel	233	932

ABC-CHZ

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10013-1001008	7332609184588	CHZ 200 Patented colour-coated steel	17	68
10013-1001017	7332609184595	CHZ 300 Patented colour-coated steel	24	96
10013-1001027	7332609184601	CHZ 400 Patented colour-coated steel	34	136
10013-1001037	7332609184618	CHZ 500 Patented colour-coated steel	40	160
10013-1001047	7332609184625	CHZ 600 Patented colour-coated steel	53	212
10013-1001057	7332609184632	CHZ 800 Patented colour-coated steel	104	416
10013-1001067	7332609184649	CHZ 1000 Patented colour-coated steel	132	528
10013-1001077	7332609184656	CHZ 1200 Patented colour-coated steel	178	712
10013-1001087	7332609184663	CHZ 1400 Patented colour-coated steel	268	1072
10013-1001097	7332609184670	CHZ 1600 Patented colour-coated steel	393	1572

ABC-FJ

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10023-1001007	7332609067010	FJ 200 Patented colour-coated steel	15	60
10023-1001017	7332609067089	FJ 300 Patented colour-coated steel	21	84
10023-1001027	7332609067157	FJ 400 Patented colour-coated steel	27	108
10023-1001037	7332609067225	FJ 500 Patented colour-coated steel	38	152
10023-1001047	7332609067294	FJ 600 Patented colour-coated steel	49	196
10023-1001057	7332609067362	FJ 800 Patented colour-coated steel	63	252
10023-1001067	7332609067430	FJ 1000 Patented colour-coated steel	100	400
10023-1001077	7332609067508	FJ 1200 Patented colour-coated steel	147	588
10023-1001087	7332609067577	FJ 1400 Patented colour-coated steel	198	792
10023-1001097	7332609067645	FJ 1600 Patented colour-coated steel	242	968

ABC-JET

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10033-6000001	7332609181204	JET ø125 Zinc-magnesium	1,5	6,0
10033-6000002	7332609181211	JET ø160 Zinc-magnesium	2,2	8,8
10033-6000003	7332609181228	JET ø200 Zinc-magnesium	3,5	14
10033-6000004	7332609181235	JET ø250 Zinc-magnesium	5,1	20,4
10033-6000005	7332609181242	JET ø315 Zinc-magnesium	7,0	28,0
10033-6000006	7332609181259	JET ø400 Zinc-magnesium	13	52
10033-6000007	7332609181266	JET ø500 Zinc-magnesium	18	72
10033-6000008	7332609181273	JET ø630 Zinc-magnesium	27	108
10033-6000009	7332609193948	JET ø800 Zinc-magnesium	52	208
10033-6000010	7332609193955	JET ø1000 Zinc-magnesium	76	304
10033-6000011	7332609193962	JET ø1250 Zinc-magnesium	102	408

ABC-KH

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10034-6000002	7332609181280	KH ø100 Zinc-magnesium	0,4	1,6
10034-6000003	7332609181297	KH ø125 Zinc-magnesium	0,5	2,0
10034-6000004	7332609181303	KH ø160 Zinc-magnesium	0,5	2,0
10034-6000005	7332609181310	KH ø200 Zinc-magnesium	1,0	4,0
10034-6000006	7332609181327	KH ø250 Zinc-magnesium	1,6	6,4
10034-6000007	7332609181334	KH ø315 Zinc-magnesium	2,4	9,6
10034-6000008	7332609194204	KH ø400 Zinc-magnesium	3,5	14,0
10034-6000009	7332609194211	KH ø500 Zinc-magnesium	5,0	20,0

ABC-TH 1-6

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10038-1001001	7332609158916	TH1 400x400 ø125 Patented colour-coated steel	4,0	16,0
10038-1001004	7332609158923	TH1 400x400 ø160 Patented colour-coated steel	4,7	18,8
10038-1001007	7332609158930	TH1 400x400 ø200 Patented colour-coated steel	4,1	16,4
10039-1001001	7332609187381	TH2 600x400 ø125 Patented colour-coated steel	6,9	27,6
10039-1001004	7332609194433	TH2 600x400 ø160 Patented colour-coated steel	7,0	28,0
10039-1001008	7332609158992	TH2 800x400 ø125 Patented colour-coated steel	8,6	34,4
10039-1001011	7332609159005	TH2 800x400 ø160 Patented colour-coated steel	8,2	32,8
10039-1001014	7332609159012	TH2 800x400 ø200 Patented colour-coated steel	8,2	32,8
10040-1001001	7332609159074	TH4 600x600 ø125 Patented colour-coated steel	10	40
10040-1001002	7332609194594	TH4 800x800 ø125 Patented colour-coated steel	14	56
10040-1001004	7332609159081	TH4 600x600 ø160 Patented colour-coated steel	11	44
10040-1001005	7332609194600	TH4 800x800 ø160 Patented colour-coated steel	14	56
10041-1001003	7332609159142	TH6 800x600 ø125 Patented colour-coated steel	12	48
10041-1001006	7332609159159	TH6 800x600 ø160 Patented colour-coated steel	12	48
10041-1001007	7332609194679	TH6 1000x800 ø125 Patented colour-coated steel	15	60
10041-1001008	7332609194686	TH6 1000x800 ø160 Patented colour-coated steel	16	64

ABC-TREND AH

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10097-1001001	7332609196376	TREND AH 200 Patented colour-coated steel	9,6	38,4
10097-1001002	7332609196383	TREND AH 300 Patented colour-coated steel	14	56
10097-1001003	7332609196390	TREND AH 400 Patented colour-coated steel	18	72
10097-1001004	7332609196406	TREND AH 500 Patented colour-coated steel	23	92
10097-1001005	7332609196413	TREND AH 600 Patented colour-coated steel	34	136
10097-1001013	7332609196499	TREND AH 700 Patented colour-coated steel	42	168
10097-1001006	7332609196420	TREND AH 800 Patented colour-coated steel	49	196
10097-1001007	7332609196437	TREND AH 1000 Patented colour-coated steel	70	280
10097-1001008	7332609196444	TREND AH 1200 Patented colour-coated steel	97	388

ABC-TREND CH

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10099-1001001	7332609198219	TREND CH 200 Patented colour-coated steel	16	64
10099-1001002	7332609198226	TREND CH 300 Patented colour-coated steel	27	108
10099-1001003	7332609198233	TREND CH 400 Patented colour-coated steel	35	140
10099-1001004	7332609198240	TREND CH 500 Patented colour-coated steel	45	180
10099-1001005	7332609198257	TREND CH 600 Patented colour-coated steel	59	236
10099-1001006	7332609198264	TREND CH 700 Patented colour-coated steel	74	296
10099-1001007	7332609198271	TREND CH 800 Patented colour-coated steel	86	344
10099-1001008	7332609198288	TREND CH 1000 Patented colour-coated steel	122	488
10099-1001009	7332609198295	TREND CH 1200 Patented colour-coated steel	183	732
10099-1001010	7332609198301	TREND CH 1400 Patented colour-coated steel	230	920
10099-1001011	7332609198318	TREND CH 1600 Patented colour-coated steel	293	1172

ABC-TREND UH

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10098-1001001	7332609197298	TREND UH 200 Patented colour-coated steel	11	44
10098-1001002	7332609197304	TREND UH 300 Patented colour-coated steel	17	68
10098-1001003	7332609197311	TREND UH 400 Patented colour-coated steel	22	88
10098-1001004	7332609197328	TREND UH 500 Patented colour-coated steel	27	108
10098-1001005	7332609197335	TREND UH 600 Patented colour-coated steel	40	160
10098-1001013	7332609197410	TREND UH 700 Patented colour-coated steel	51	204
10098-1001006	7332609197342	TREND UH 800 Patented colour-coated steel	59	236
10098-1001007	7332609197359	TREND UH 1000 Patented colour-coated steel	77	308
10098-1001008	7332609197366	TREND UH 1200 Patented colour-coated steel	104	416

ABC-UHZ

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO_2e/item)
10042-1001007	7332609187398	UHZ 200 Patented colour-coated steel	9,4	37,6
10042-1001017	7332609187404	UHZ 300 Patented colour-coated steel	14	56
10042-1001027	7332609187411	UHZ 400 Patented colour-coated steel	18	72
10042-1001037	7332609187428	UHZ 500 Patented colour-coated steel	24	96
10042-1001047	7332609187435	UHZ 600 Patented colour-coated steel	29	116
10042-1001057	7332609187442	UHZ 800 Patented colour-coated steel	57	228
10042-1001067	7332609187459	UHZ 1000 Patented colour-coated steel	78	312
10042-1001077	7332609187466	UHZ 1200 Patented colour-coated steel	110	440
10042-1001087	7332609187473	UHZ 1400 Patented colour-coated steel	159	636
10042-1001097	7332609187480	UHZ 1600 Patented colour-coated steel	256	1024