



ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Roof hoods in patented colour-coated steel

FJ, GH-Family, H-Family, S-Family, TH-Family, TREND-Family and VF in patented colour-coated steel

Swegon Group AB



EPD HUB, HUB-2896

Published on 14.02.2025, last updated on 07.06.2026, valid until 13.02.2030

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	Swegon Group AB
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Contact details	info@swegon.se
Website	www.swegon.com

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.

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	Heloise Hedbom, Swegon
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	Vera Durão, as an authorised verifier acting for EPD Hub Limited

PRODUCT

Product name	Roof hoods in patented colour-coated steel
Additional labels	FJ, GH-family, H-family, S-family, TH-family, TREND-family and VF
Product reference	-
Place(s) of raw material origin	Europe & Asia
Place of production	Borås, Sweden
Place(s) of installation and use	Global
Period for data	Calendar year 2025
Averaging in EPD	Multiple products
Variation in GWP-fossil for A1-A3 (%)	+27% / -29%
A1-A3 Specific data (%)	97%

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg of roof hood
Declared unit mass	1 kg
Mass of packaging	0,19 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	3,72
GWP-total, A1-A3 (kgCO ₂ e)	3,52
Secondary material, inputs (%)	30,9
Total energy use, A1-A3 (kWh)	16,9
Net freshwater use, A1-A3 (m ³)	0,08

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.

PRODUCT DESCRIPTION

Our extensive range of roof hoods is engineered and manufactured not only to 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 roof hoods manufactured using innovative material options such as Swedish patented colour-coated steel based on rapeseed oil, with and without post-coating treatments, ensuring durability and allows colour customisation to suit your specific needs. The included product families are intended for roof-mounted air intake and/or exhaust air handling, providing weather-protected ventilation solutions. Configurations are available for

outdoor air, exhaust air or combined airflow applications, with selected models also offered with reverse dampers.

The H-, S-, Trend-, and GH-families are developed for comfort ventilation, while the VF- and TH-families are designed for residential ventilation systems. The FJ-family is produced for industrial ventilation applications.

The environmental impacts of the products primarily vary depending on the proportion of patented colour-coated steel compared to zinc-magnesium coated steel with higher recycled content used in internal components

TREND CH600, the representative product, is a rectangular combination hood for comfort ventilation integrating outdoor air intake and exhaust air discharge in one unit, designed for low pressure losses and easy maintenance.

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

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	99%- 100%	Europe, Asia
Minerals	-	-
Fossil materials	0%- 1%	Europe
Bio-based materials	-	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	-
Biogenic carbon content in packaging, kg C	0,064

FUNCTIONAL UNIT AND SERVICE LIFE

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

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

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 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.

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

the factory. The Borås facility operates on electricity sourced from renewable sources including hydropower and on-site solar panels. The use of green energy in manufacturing is demonstrated through contractual instruments (GOs, RECs, etc.), and its use is ensured throughout the validity period of this EPD.

Swegon roof hoods primarily consists of colour-coated steel from Sweden. The steel arrives as pre-cut sheets, which are processed at the Borås facility, involving punching, bending, assembling and optional powder coating according to the customers' requirements. The finished product is then packaged on pallets and secured with plastic packaging.

Waste streams from the manufacturing process includes metal scrap which is sent off for recycling at a nearby facility.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurring from the 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 the construction site is calculated based on a weighted average of sales and transportations in 2025. 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 global scenario per packaging material has been applied with different ratios of recycling, incineration and disposal in landfill. For the wood pallet it is assumed 85% is landfilled and 15% is incinerated. For the cardboard packaging it is assumed 66% is recycled, 10% incinerated and that 24 % is landfilled.

PRODUCT END OF LIFE (C1-C4, D)

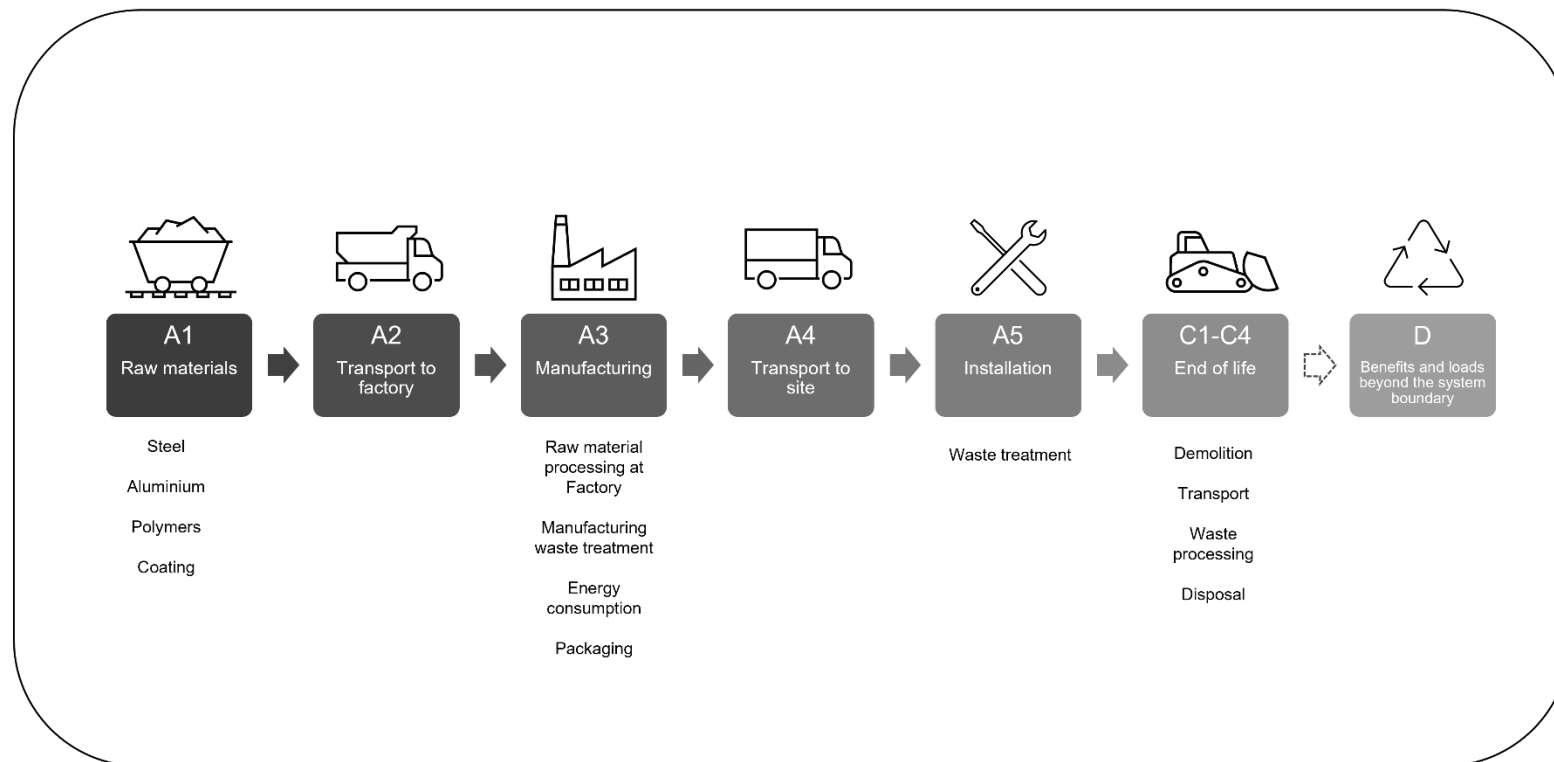
At the end of the product's service life, the roof hoods are assumed to be demolished. The environmental impact of deconstruction (Module C1) is modelled using literature data, assuming an energy consumption per kilogram of product removed.

Transport of waste materials to end-of-life treatment facilities (Module C2) is modelled using assumed average distances of 250 km to recycling facilities and 50 km to landfill sites. All transportation is modelled using a 16-32 metric ton freight lorry compliant with EURO 5 standards. It is assumed that materials intended for recycling are collected separately.

Waste processing (Module C3) and final disposal (Module C4) are modelled using literature based scenarios representing typical end-of-life treatment routes. For the primary material steel, it is assumed that 85% is recycled and 15% is disposed of in landfill.

Due to the material and energy recovery potential of the product components, the end-of-life treatment can result in the production of secondary raw materials through recycling or energy recovery through incineration. The potential environmental benefits and burdens associated with these processes beyond the system boundary are accounted for in Module D. The recycled content in the produced product is removed to not double count the benefits in module D.

FLOW DIAGRAM



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.

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 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	Physical Properties
Ancillary materials	Not applicable
Manufacturing energy and waste	Physical Properties

PRODUCT & MANUFACTURING SITES GROUPING

Type of grouping	Multiple products
Grouping method	Based on a representative product
Variation in GWP-fossil for A1-A3, %	+27% / -29%

To investigate variations in environmental impact, two extreme cases were modelled and analysed. From these two models, a representative product was chosen, the high runner TREND CH600. For modules A1-A3, the GWP-fossil of the product variant with the highest environmental impact is 27% higher than that of the representative product, while the product variant with the lowest impact is 29% lower.

Differences in environmental performance between the products are mainly related to variations in the proportion of zinc magnesium steel with a high recycled content relative to patented colour-coated steel. This EPD covers the roof hood products FJ, GH-family, H-family, S-family, TH-family, TREND-family and VF. All products are produced in Borås.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator for EPD Hub V3 and EPD Process Certification v3.2.5. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1/3.11 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11 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	3,53E+00	6,98E-02	-7,97E-02	3,52E+00	7,29E-02	2,41E-01	ND	ND	ND	ND	ND	ND	ND	3,62E-03	2,32E-02	1,84E-02	9,39E-04	-1,23E+00
GWP – fossil	kg CO ₂ e	3,52E+00	6,97E-02	1,32E-01	3,72E+00	7,29E-02	7,27E-03	ND	ND	ND	ND	ND	ND	ND	3,62E-03	2,31E-02	1,87E-02	9,38E-04	-1,20E+00
GWP – biogenic	kg CO ₂ e	1,14E-03	1,44E-05	-2,31E-01	-2,30E-01	1,62E-05	2,34E-01	ND	ND	ND	ND	ND	ND	ND	6,90E-07	5,24E-06	-2,69E-04	4,21E-07	-3,20E-02
GWP – LULUC	kg CO ₂ e	3,52E-03	2,71E-05	1,91E-02	2,27E-02	3,30E-05	6,41E-06	ND	ND	ND	ND	ND	ND	ND	3,71E-07	1,04E-05	2,30E-05	5,38E-07	-9,19E-04
Ozone depletion pot.	kg CFC-11e	1,63E-08	1,45E-09	4,24E-09	2,19E-08	1,08E-09	1,05E-10	ND	ND	ND	ND	ND	ND	ND	5,38E-11	3,42E-10	2,48E-10	2,61E-11	-5,63E-09
Acidification potential	mol H ⁺ e	8,69E-03	1,79E-04	9,98E-04	9,87E-03	1,67E-04	3,44E-05	ND	ND	ND	ND	ND	ND	ND	3,24E-05	7,89E-05	2,23E-04	6,57E-06	-5,47E-03
EP-freshwater ²⁾	kg Pe	2,83E-05	4,84E-06	4,47E-05	7,79E-05	5,71E-06	2,10E-06	ND	ND	ND	ND	ND	ND	ND	1,17E-07	1,80E-06	1,24E-05	8,21E-08	-7,62E-04
EP-marine	kg Ne	2,38E-03	4,68E-05	3,83E-04	2,81E-03	3,87E-05	6,26E-05	ND	ND	ND	ND	ND	ND	ND	1,51E-05	2,59E-05	4,94E-05	2,52E-06	-1,19E-03
EP-terrestrial	mol Ne	2,53E-02	5,07E-04	4,04E-03	2,98E-02	4,18E-04	1,24E-04	ND	ND	ND	ND	ND	ND	ND	1,65E-04	2,82E-04	5,58E-04	2,76E-05	-1,28E-02
POCP (“smog”) ³⁾	kg NMVOCe	6,73E-03	2,94E-04	1,18E-03	8,21E-03	2,34E-04	4,98E-05	ND	ND	ND	ND	ND	ND	ND	4,94E-05	1,16E-04	1,66E-04	9,95E-06	-4,10E-03
ADP-minerals & metals ⁴⁾	kg Sbe	1,51E-04	2,00E-07	1,36E-06	1,53E-04	2,44E-07	2,58E-08	ND	ND	ND	ND	ND	ND	ND	1,30E-09	6,46E-08	1,32E-06	1,40E-09	-5,90E-05
ADP-fossil resources	MJ	4,69E+01	1,04E+00	1,94E+00	4,99E+01	1,02E+00	1,08E-01	ND	ND	ND	ND	ND	ND	ND	4,72E-02	3,36E-01	2,52E-01	2,30E-02	-1,26E+01
Water use ⁵⁾	m ³ e depr.	2,48E+00	5,31E-03	6,27E-01	3,11E+00	4,80E-03	2,19E-03	ND	ND	ND	ND	ND	ND	ND	1,21E-04	1,66E-03	4,91E-03	1,01E-03	-4,59E-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	6,67E-09	1,86E-08	2,53E-08	5,43E-09	8,34E-10	ND	ND	ND	ND	ND	ND	ND	9,25E-10	2,32E-09	3,05E-09	1,51E-10	-1,14E-07
Ionizing radiation ⁶⁾	kBq 11235e	0,00E+00	1,25E-03	1,00E-02	1,13E-02	8,38E-04	1,65E-04	ND	ND	ND	ND	ND	ND	ND	2,01E-05	2,92E-04	2,17E-03	1,38E-05	-4,42E-02
Ecotoxicity (freshwater)	CTUe	0,00E+00	1,23E-01	1,72E+01	1,74E+01	1,63E-01	1,06E+00	ND	ND	ND	ND	ND	ND	ND	2,69E-02	4,75E-02	1,23E+00	1,54E-02	-7,71E+01
Human toxicity, cancer	CTUh	0,00E+00	1,16E-11	2,77E-10	2,89E-10	1,22E-11	3,14E-12	ND	ND	ND	ND	ND	ND	ND	3,69E-13	3,82E-12	1,65E-11	1,70E-13	-1,75E-09
Human tox. non-cancer	CTUh	0,00E+00	6,70E-10	1,88E-09	2,55E-09	6,46E-10	1,70E-10	ND	ND	ND	ND	ND	ND	ND	5,80E-12	2,17E-10	1,13E-09	3,83E-12	-2,03E-08
SQP ⁷⁾	-	0,00E+00	1,02E+00	2,33E+01	2,43E+01	6,21E-01	1,23E-01	ND	ND	ND	ND	ND	ND	ND	3,12E-03	3,38E-01	4,83E-01	4,52E-02	-4,44E+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	8,23E+00	1,70E-02	4,15E+00	1,24E+01	1,42E-02	-2,96E+00	ND	ND	ND	ND	ND	ND	ND	2,96E-04	4,60E-03	4,62E-02	2,15E-04	-1,21E+00
Renew. PER as material	MJ	0,00E+00	0,00E+00	2,73E+00	2,73E+00	0,00E+00	-2,73E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,70E-01
Total use of renew. PER	MJ	8,23E+00	1,70E-02	6,88E+00	1,51E+01	1,42E-02	-5,69E+00	ND	ND	ND	ND	ND	ND	ND	2,96E-04	4,60E-03	4,62E-02	2,15E-04	-9,45E-01
Non-re. PER as energy	MJ	4,56E+01	1,04E+00	1,81E+00	4,84E+01	1,02E+00	1,08E-01	ND	ND	ND	ND	ND	ND	ND	4,72E-02	3,36E-01	2,52E-01	2,30E-02	-1,26E+01
Non-re. PER as material	MJ	0,00E+00	0,00E+00	1,48E-01	1,48E-01	0,00E+00	-1,48E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,80E-02
Total use of non-re. PER	MJ	4,56E+01	1,04E+00	1,96E+00	4,86E+01	1,02E+00	-3,95E-02	ND	ND	ND	ND	ND	ND	ND	4,72E-02	3,36E-01	2,52E-01	2,30E-02	-1,26E+01
Secondary materials	kg	3,09E-01	4,52E-04	4,87E-02	3,59E-01	4,66E-04	6,00E-05	ND	ND	ND	ND	ND	ND	ND	1,95E-05	1,43E-04	3,07E-04	5,72E-06	-1,03E-01
Renew. secondary fuels	MJ	8,94E-26	5,67E-06	7,84E-02	7,84E-02	5,96E-06	7,26E-07	ND	ND	ND	ND	ND	ND	ND	5,12E-08	1,82E-06	1,43E-05	1,19E-07	-1,33E-04
Non-ren. secondary fuels	MJ	1,05E-24	0,00E+00	0,00E+00	1,05E-24	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	6,40E-02	1,53E-04	1,45E-02	7,86E-02	1,40E-04	-4,79E-04	ND	ND	ND	ND	ND	ND	ND	3,02E-06	4,96E-05	1,13E-04	2,38E-05	-9,82E-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	8,20E-06	1,51E-03	7,83E-03	9,35E-03	1,80E-03	4,76E-04	ND	ND	ND	ND	ND	ND	ND	5,29E-05	5,69E-04	1,66E-03	2,62E-05	-4,88E-01
Non-hazardous waste	kg	1,88E-01	3,02E-02	2,08E-01	4,25E-01	3,37E-02	3,64E-01	ND	ND	ND	ND	ND	ND	ND	7,71E-04	1,05E-02	6,54E-02	6,05E-04	-3,86E+00
Radioactive waste	kg	1,26E-03	3,10E-07	2,57E-06	1,27E-03	2,05E-07	4,06E-08	ND	ND	ND	ND	ND	ND	ND	4,93E-09	7,16E-08	5,54E-07	3,35E-09	-1,12E-05

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	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	0,00E+00	0,00E+00	6,01E-01	6,01E-01	0,00E+00	4,90E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	8,30E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,10E-03	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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,24E-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 – Electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,40E-03	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	1,30E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML

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 ₂ e	3,43E+00	6,93E-02	1,54E-01	3,65E+00	7,25E-02	2,49E-02	ND	ND	ND	ND	ND	ND	ND	3,60E-03	2,30E-02	1,86E-02	9,30E-04	-1,20E+00
Ozone depletion Pot.	kg CFC ₁₁ e	4,69E-08	1,15E-09	3,86E-09	5,19E-08	8,63E-10	8,51E-11	ND	ND	ND	ND	ND	ND	ND	4,28E-11	2,73E-10	2,14E-10	2,08E-11	-5,00E-09
Acidification	kg SO ₂ e	9,67E-03	1,43E-04	7,18E-04	1,05E-02	1,35E-04	2,61E-05	ND	ND	ND	ND	ND	ND	ND	2,28E-05	6,03E-05	1,79E-04	4,86E-06	-4,44E-03
Eutrophication	kg PO ₄ ³ e	2,58E-03	3,37E-05	2,06E-03	4,68E-03	3,21E-05	2,00E-05	ND	ND	ND	ND	ND	ND	ND	5,36E-06	1,47E-05	2,63E-05	1,61E-06	-8,39E-04
POCP ("smog")	kg C ₂ H ₄ e	1,34E-03	1,38E-05	7,50E-05	1,42E-03	1,31E-05	6,10E-06	ND	ND	ND	ND	ND	ND	ND	1,71E-06	5,37E-06	1,06E-05	4,62E-07	-5,28E-04
ADP-elements	kg Sbe	1,50E-05	1,95E-07	1,35E-06	1,66E-05	2,38E-07	2,51E-08	ND	ND	ND	ND	ND	ND	ND	1,26E-09	6,30E-08	1,32E-06	1,37E-09	-5,90E-05
ADP-fossil	MJ	3,85E+01	1,02E+00	1,77E+00	4,13E+01	1,01E+00	1,06E-01	ND	ND	ND	ND	ND	ND	ND	4,69E-02	3,31E-01	2,14E-01	2,28E-02	-1,19E+01

ENVIRONMENTAL IMPACTS

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	0,00E+00	7,94E-08	6,24E-07	7,04E-07	6,10E-08	1,15E-08	ND	ND	ND	ND	ND	ND	ND	1,43E-09	2,10E-08	1,33E-07	9,64E-10	-4,11E-06
Radioactive waste, int/low	kg	0,00E+00	2,31E-07	1,95E-06	2,18E-06	1,44E-07	2,91E-08	ND	ND	ND	ND	ND	ND	ND	3,50E-09	5,06E-08	4,21E-07	2,39E-09	-7,09E-06

ADDITIONAL INDICATOR – GWP-GHG

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 ₂ e	3,52E+00	6,98E-02	1,51E-01	3,75E+00	7,29E-02	7,28E-03	ND	ND	ND	ND	ND	ND	ND	3,62E-03	2,32E-02	1,87E-02	9,39E-04	-1,20E+00

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. In addition, the characterisation factors for the flows – CH₄ fossil, CH₄ biogenic and Dinitrogen monoxide – were updated. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterisation factor for biogenic CO₂ is set to zero

SCENARIO DOCUMENTATION

Manufacturing energy scenario documentation

Scenario parameter	Value
Electricity data source and quality	Electricity production, hydro, reservoir, non-alpine region, Sweden, Ecoinvent 3.11 and Electricity production, photovoltaic, 3kWp slanted-roof installation, multi-Si, panel, mounted, Sweden, Ecoinvent 3.11
Electricity kg CO ₂ e / kWh	0,062 kg CO ₂ eq/kWh
District heating data source and quality	Heat and power co-generation, wood chips; Sweden; Ecoinvent 3.11
District heating kg CO ₂ e / kWh	0,009 kg CO ₂ eq/kWh

Transport scenario documentation A4

Scenario parameter	Value
Fuel and vehicle type. Eg, electric truck, diesel powered truck	Transport, freight, lorry 16-32 metric ton, EURO6
Average transport distance, km	320 km
Capacity utilization (including empty return) %	50%
Bulk density of transported products	-
Volume capacity utilization factor	1

Installation scenario documentation A5

Scenario information	Value
Ancillary materials for installation (specified by material) / kg or other units as appropriate	-
Water use / m ³	-
Other resource use / kg	-
Quantitative description of energy type (regional mix) and consumption during the installation process / kWh or MJ	-
Waste materials on the building site before waste processing, generated by the product's installation (specified by type) / kg	Cardboard packaging: 0,04 kg Wood pallets: 0,15 kg
Output materials (specified by type) as result of waste processing at the building site e.g. collection for recycling, for energy recovery, disposal (specified by route) / kg	Cardboard packaging: Recycled 66%, Incinerated 10% & Landfilled 24%. Wood pallets: Recycled 15% and Landfilled 85%.
Direct emissions to ambient air, soil and water / kg	0

End of life scenario documentation

Scenario information	Value
Collection process – kg collected separately	0,83 kg
Collection process – kg collected with mixed waste	0,15 kg
Recovery process – kg for re-use	0 kg
Recovery process – kg for recycling	0,83 kg
Recovery process – kg for energy recovery	0 kg
Disposal (total) – kg for final deposition	0,15 kg
Scenario assumptions e.g. transportation	Truck, 16-32 tons, EURO5 (km). Landfill: 50 km Recycling: 250 km

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

Vera Durão, as an authorised verifier acting for EPD Hub Limited

06.07.2026



ANNEX 1

This EPD covers the environmental impact of Swegon roof hoods in patented colour-coated steel available in predefined colours as well as post-painted custom colours. TREND CH600 represents the environmental performance of several product families, as listed below:

- FJ
- GH-family
- H-family
- JET
- KH
- S-family
- TH-family
- TREND-family
- VF

Please find a selection of included products in the tables 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 of a product is calculated by multiplying the product's weight by the relevant Global Warming Potential (GWP) factors:

- **GWP-fossil:** 3,72 kg CO₂-eq per kg of product
- **GWP-GHG:** 3,75 kg CO₂-eq per kg of product

The most up-to-date product weights are available through our webpage www.swegon.com at specific product pages.

 ABC-AHZ				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10002-1001006	7332609182256	AHZ 200 Patented colour-coated steel	13	49
10002-1001016	7332609182263	AHZ 300 Patented colour-coated steel	19	71
10002-1001026	7332609182270	AHZ 400 Patented colour-coated steel	26	98
10002-1001036	7332609182287	AHZ 500 Patented colour-coated steel	33	124
10002-1001046	7332609182294	AHZ 600 Patented colour-coated steel	42	158
10002-1001056	7332609182300	AHZ 800 Patented colour-coated steel	80	300
10002-1001067	7332609182317	AHZ 1000 Patented colour-coated steel	98	368
10002-1001077	7332609182324	AHZ 1200 Patented colour-coated steel	138	518
10002-1001087	7332609182331	AHZ 1400 Patented colour-coated steel	190	713
10002-1001097	7332609182348	AHZ 1600 Patented colour-coated steel	233	874

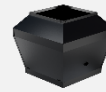
 ABC-CHZ				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10013-1001008	7332609184588	CHZ 200 Patented colour-coated steel	17	64
10013-1001017	7332609184595	CHZ 300 Patented colour-coated steel	24	90
10013-1001027	7332609184601	CHZ 400 Patented colour-coated steel	34	128
10013-1001037	7332609184618	CHZ 500 Patented colour-coated steel	40	150
10013-1001047	7332609184625	CHZ 600 Patented colour-coated steel	53	199
10013-1001057	7332609184632	CHZ 800 Patented colour-coated steel	104	390
10013-1001067	7332609184649	CHZ 1000 Patented colour-coated steel	132	495
10013-1001077	7332609184656	CHZ 1200 Patented colour-coated steel	178	668
10013-1001087	7332609184663	CHZ 1400 Patented colour-coated steel	268	1005
10013-1001097	7332609184670	CHZ 1600 Patented colour-coated steel	393	1474

 ABC-FJ				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10023-1001007	7332609067010	FJ 200 Patented colour-coated steel	15	56
10023-1001017	7332609067089	FJ 300 Patented colour-coated steel	21	79
10023-1001027	7332609067157	FJ 400 Patented colour-coated steel	27	101
10023-1001037	7332609067225	FJ 500 Patented colour-coated steel	38	143
10023-1001047	7332609067294	FJ 600 Patented colour-coated steel	49	184
10023-1001057	7332609067362	FJ 800 Patented colour-coated steel	63	236
10023-1001067	7332609067430	FJ 1000 Patented colour-coated steel	100	375
10023-1001077	7332609067508	FJ 1200 Patented colour-coated steel	147	551
10023-1001087	7332609067577	FJ 1400 Patented colour-coated steel	198	743
10023-1001097	7332609067645	FJ 1600 Patented colour-coated steel	242	908



ABC-TH 1-6

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10038-1001001	7332609158916	TH1 400x400 ø125 Patented colour-coated steel	4,0	15,0
10038-1001004	7332609158923	TH1 400x400 ø160 Patented colour-coated steel	4,7	17,6
10038-1001007	7332609158930	TH1 400x400 ø200 Patented colour-coated steel	4,1	15,5
10039-1001001	7332609187381	TH2 600x400 ø125 Patented colour-coated steel	6,9	25,9
10039-1001004	7332609194433	TH2 600x400 ø160 Patented colour-coated steel	7,0	26,3
10039-1001008	7332609158992	TH2 800x400 ø125 Patented colour-coated steel	8,6	32,3
10039-1001011	7332609159005	TH2 800x400 ø160 Patented colour-coated steel	8,2	30,8
10039-1001014	7332609159012	TH2 800x400 ø200 Patented colour-coated steel	8,2	30,8
10040-1001001	7332609159074	TH4 600x600 ø125 Patented colour-coated steel	10	38
10040-1001002	7332609194594	TH4 800x800 ø125 Patented colour-coated steel	14	53
10040-1001004	7332609159081	TH4 600x600 ø160 Patented colour-coated steel	11	41
10040-1001005	7332609194600	TH4 800x800 ø160 Patented colour-coated steel	14	53
10041-1001003	7332609159142	TH6 800x600 ø125 Patented colour-coated steel	12	45
10041-1001006	7332609159159	TH6 800x600 ø160 Patented colour-coated steel	12	45
10041-1001007	7332609194679	TH6 1000x800 ø125 Patented colour-coated steel	15	56
10041-1001008	7332609194686	TH6 1000x800 ø160 Patented colour-coated steel	16	60



ABC-TREND AH

Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10097-1001001	7332609196376	TREND AH 200 Patented colour-coated steel	9,6	36,1
10097-1001002	7332609196383	TREND AH 300 Patented colour-coated steel	14	53
10097-1001003	7332609196390	TREND AH 400 Patented colour-coated steel	18	68
10097-1001004	7332609196406	TREND AH 500 Patented colour-coated steel	23	86
10097-1001005	7332609196413	TREND AH 600 Patented colour-coated steel	34	128
10097-1001013	7332609196499	TREND AH 700 Patented colour-coated steel	42	158
10097-1001006	7332609196420	TREND AH 800 Patented colour-coated steel	49	184
10097-1001007	7332609196437	TREND AH 1000 Patented colour-coated steel	70	263
10097-1001008	7332609196444	TREND AH 1200 Patented colour-coated steel	97	364

 ABC-TREND CH				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10099-1001001	7332609198219	TREND CH 200 Patented colour-coated steel	16	60
10099-1001002	7332609198226	TREND CH 300 Patented colour-coated steel	27	101
10099-1001003	7332609198233	TREND CH 400 Patented colour-coated steel	35	131
10099-1001004	7332609198240	TREND CH 500 Patented colour-coated steel	45	169
10099-1001005	7332609198257	TREND CH 600 Patented colour-coated steel	59	221
10099-1001006	7332609198264	TREND CH 700 Patented colour-coated steel	74	278
10099-1001007	7332609198271	TREND CH 800 Patented colour-coated steel	86	323
10099-1001008	7332609198288	TREND CH 1000 Patented colour-coated steel	122	458
10099-1001009	7332609198295	TREND CH 1200 Patented colour-coated steel	183	686
10099-1001010	7332609198301	TREND CH 1400 Patented colour-coated steel	230	863
10099-1001011	7332609198318	TREND CH 1600 Patented colour-coated steel	293	1099

 ABC-TREND UH				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10098-1001001	7332609197298	TREND UH 200 Patented colour-coated steel	11	60
10098-1001002	7332609197304	TREND UH 300 Patented colour-coated steel	17	101
10098-1001003	7332609197311	TREND UH 400 Patented colour-coated steel	22	131
10098-1001004	7332609197328	TREND UH 500 Patented colour-coated steel	27	169
10098-1001005	7332609197335	TREND UH 600 Patented colour-coated steel	40	221
10098-1001013	7332609197410	TREND UH 700 Patented colour-coated steel	51	278
10098-1001006	7332609197342	TREND UH 800 Patented colour-coated steel	59	323
10098-1001007	7332609197359	TREND UH 1000 Patented colour-coated steel	77	458
10098-1001008	7332609197366	TREND UH 1200 Patented colour-coated steel	104	686

 ABC-UHZ				
Article number	GTIN	Product name	Total weight (kg)	GWP-GHG, A1-A3 (kg CO ₂ e/item)
10042-1001007	7332609187398	UHZ 200 Patented colour-coated steel	9,4	35,3
10042-1001017	7332609187404	UHZ 300 Patented colour-coated steel	14	53
10042-1001027	7332609187411	UHZ 400 Patented colour-coated steel	18	68
10042-1001037	7332609187428	UHZ 500 Patented colour-coated steel	24	90
10042-1001047	7332609187435	UHZ 600 Patented colour-coated steel	29	109
10042-1001057	7332609187442	UHZ 800 Patented colour-coated steel	57	214
10042-1001067	7332609187459	UHZ 1000 Patented colour-coated steel	78	293
10042-1001077	7332609187466	UHZ 1200 Patented colour-coated steel	110	413
10042-1001087	7332609187473	UHZ 1400 Patented colour-coated steel	159	596
10042-1001097	7332609187480	UHZ 1600 Patented colour-coated steel	256	960