



ENVIRONMENTAL PRODUCT DECLARATION

RW45/60

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Sound attenuating transfer air diffuser - REC Indovent AB

EPD HUB, HUB-6945

Published on 10.07.2026

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Valid until 09.07.2031



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.



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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
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	Sound attenuating transfer air diffuser
Additional labels	Rw60, Rw45
Product reference	-
Place(s) of raw material origin	Sweden
Place of production	Linköping, Sweden
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 (%)	-
GTIN (Global Trade Item Number)	-
NOBB (Norwegian Building Product Database)	-
A1-A3 Specific data (%)	97,4

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 kg Rec Indovent Sound attenuating transfer air diffuser
Declared unit mass	1 kg
Mass of packaging	0,164 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	2,11
GWP-total, A1-A3 (kgCO ₂ e)	1,58
Secondary material, inputs (%)	2,78
Total energy use, A1-A3 (kWh)	8,42
Net freshwater use, A1-A3 (m ³)	0,05

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

RECs transfer air diffuser RW60© is a complete solution with a built-in sound attenuator and ceiling diffuser, designed to meet all acoustic requirements where high sound attenuation is needed. RW60© meets cross-talk requirements for transfer air in all buildings up to Sound Class A. The transfer diffuser has been developed to provide excellent sound attenuation with low pressure drop, as well as maximum installation flexibility while offering a high airflow capacity thanks to its large free area and superior acoustic performance.

With RECs RW60©, you can ensure that the wall's acoustic rating is maintained. RW60© does not affect the wall's total Rw value, and therefore no reduction calculation is required.

It is ideally suited for schools, offices, hospitals, medical clinics, interrogation rooms, public restrooms, laundry rooms, or any other spaces where acoustic requirements for walls apply.

Design

RW60© consists of a flexible AKU-COMP P sound attenuator and a ceiling diffuser. Thanks to the sound attenuator's construction, several installation options are possible. The ceiling diffuser, with its design and unique form, is highly suitable for installation in suspended ceilings.

RW60© is available in two configurations:

CEILING/CEILING

1 × AKU-COMP P 1.2 m

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1 × AKU-COMP P 0.6 m
2 × mounting frames with mounting plates
2 × ceiling diffusers (RAL 9003)

CEILING/WALL

1 × AKU-COMP P 1.2 m
1 × mounting frame with mounting plate
1 × ceiling diffuser with mounting plate
1 × wall diffuser (RAL 9003)**

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

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	48	Sweden
Minerals	40	Sweden
Fossil materials	12	Sweden
Bio-based materials	0%	No bio-based material

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	0,078

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 kg Rec Indovent Sound attenuating transfer air diffuser
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	
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	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 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 process consists of the manual assembly of pre-manufactured components: one AKU Comp and two valves.

No ancillary materials are used in the assembly process, and there is no energy consumption related to machinery. The only energy use included is electricity and heat for lighting and heating of the production area.

No waste is generated during the assembly process. Any production waste arising from the manufacturing of the individual components is already covered by their respective EPDs upstream in the supply chain.

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.

Transport to the installation site is calculated as 115 km, which is assumed to represent the Swedish market.

It is assumed that the freight forwarder plans transport routes to achieve as high capacity utilisation as possible. A load factor of 75% is therefore considered a conservative and appropriate assumption.

No additional energy is required during installation on site, and no product waste is generated during installation.

The wooden pallet and plastic film used for transport are discarded after delivery and are assumed to be sorted and treated in accordance with Swedish waste management practices.

PRODUCT END OF LIFE (C1-C4, D)

The product consists of two assembled components, AkuComp and Air vent, which are dismantled and treated separately at the end of life. Prior to

waste treatment, the product is assumed to be disassembled using electric tools, allowing the different material fractions of each component to be sorted and directed to appropriate waste management processes.

It is assumed that 100% of the product is collected after deconstruction (C1).

The dismantled components are transported 50 km by truck to a waste treatment facility (C2), where materials are sorted and processed according to applicable practices and literature-based scenarios.

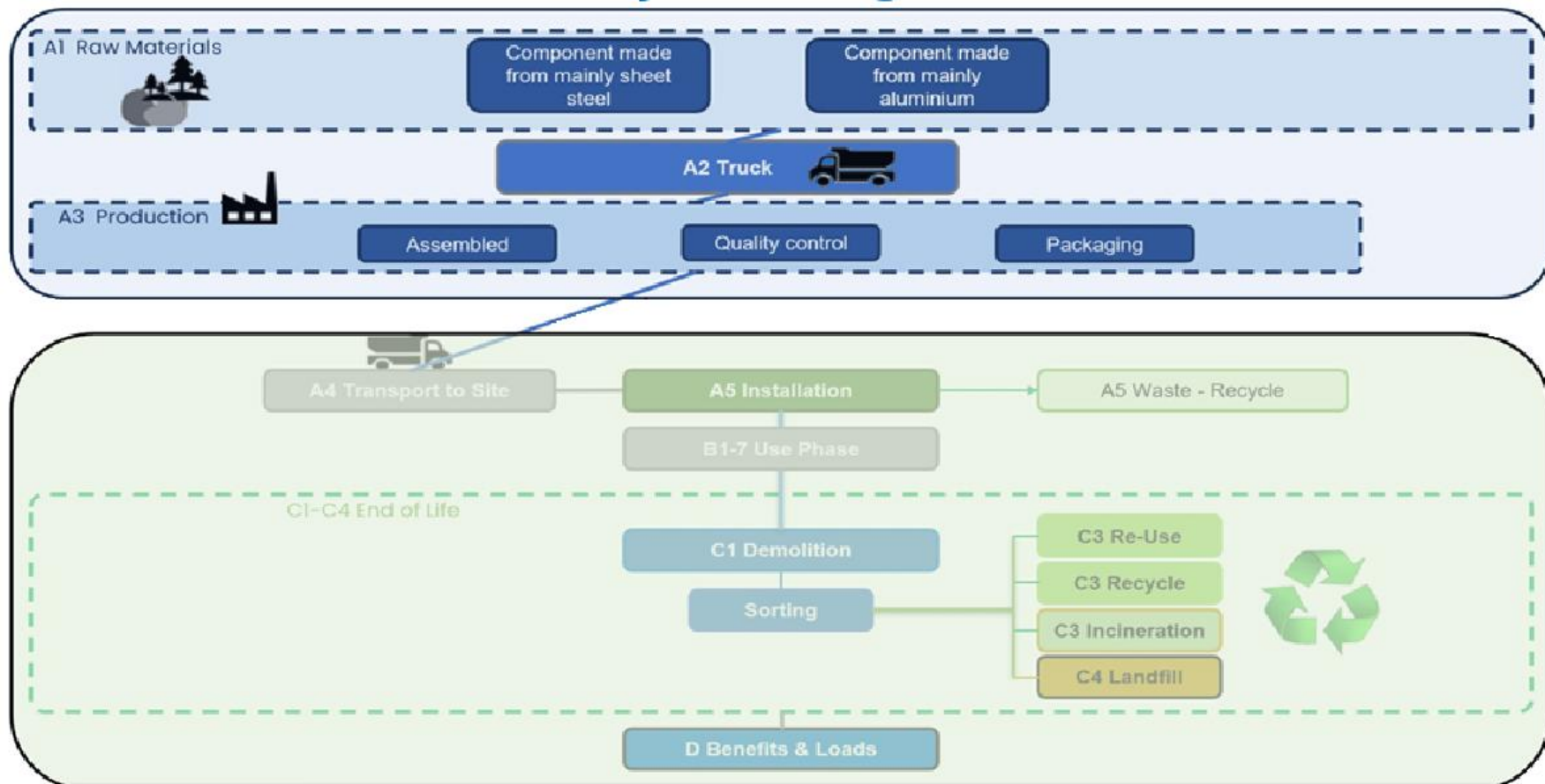
For the Air vent, the product is primarily composed of steel (approximately 88%) and rubber. The steel fraction is assumed to be recycled at a rate of 92%, with the remaining 8% sent to landfill. The rubber fraction is assumed to be treated with 47% recycling and 41% incineration with energy recovery.

For the AkuComp, the end-of-life treatment is based on literature data for its main material constituents. Steel is assumed to be recycled at 92%, with 8% landfilled. Aluminum is assumed to have a recycling rate of 90%, with 10% landfilled. Mineral wool is assumed to be 100% landfill. Plastic materials are assumed to be treated with 49% incineration, 24% energy recovery, and 27% landfill.

Due to the material recovery and energy recovery potential of the components, benefits and loads beyond the system boundary are accounted for in Module D. Recycled materials are assumed to replace virgin material production, while energy recovered from incineration contributes to avoided electricity and heat production.

SYSTEM DIAGRAM

Life-cycle 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. Two EPDs were used for the product's manufacturing stage. No generic data was used in A1. 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.

Note on indicator consistency: A technical inconsistency between PENRT (Total use of non-renewable primary energy) and ADP fossil (Abiotic depletion potential for fossil resources) results in modules A1–A3 has been identified. A contribution analysis shows that the discrepancy originates from the specific characterization factors in the background environmental

profiles of the primary raw materials (datapoint). These inconsistencies are inherent to the third party verified EPDs and background databases used and cannot be adjusted by the practitioner.

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

The percentage of averaged 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 v3.2.5. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1/3.11/3.12 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1/3.11/3.12 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	1,79E+00	1,77E-04	-2,14E-01	1,58E+00	1,44E-02	3,09E-01	ND	ND	ND	ND	ND	ND	ND	2,95E-04	8,58E-03	2,95E-01	3,07E-03	-2,08E+00
GWP – fossil	kg CO ₂ e	2,04E+00	1,77E-04	7,28E-02	2,11E+00	1,44E-02	2,18E-02	ND	ND	ND	ND	ND	ND	ND	2,54E-04	8,58E-03	2,91E-01	3,07E-03	-2,08E+00
GWP – biogenic	kg CO ₂ e	-2,55E-01	4,00E-08	-2,87E-01	-5,42E-01	3,26E-06	2,87E-01	ND	ND	ND	ND	ND	ND	ND	5,64E-06	1,94E-06	4,77E-03	2,05E-07	2,13E-02
GWP – LULUC	kg CO ₂ e	7,13E-03	7,90E-08	2,50E-04	7,38E-03	6,45E-06	1,52E-06	ND	ND	ND	ND	ND	ND	ND	3,57E-05	3,84E-06	1,35E-05	1,83E-06	-2,81E-02
Ozone depletion pot.	kg CFC-11e	4,57E-06	2,61E-12	4,82E-09	4,58E-06	2,13E-10	4,29E-11	ND	ND	ND	ND	ND	ND	ND	7,52E-12	1,27E-10	1,37E-10	8,29E-11	-1,78E-08
Acidification potential	mol H ⁺ e	1,56E-02	6,03E-07	4,09E-04	1,60E-02	4,91E-05	2,90E-05	ND	ND	ND	ND	ND	ND	ND	1,42E-06	2,92E-05	1,14E-04	2,06E-05	-1,41E-02
EP-freshwater ²⁾	kg Pe	2,25E-04	1,39E-08	1,98E-05	2,44E-04	1,12E-06	1,16E-06	ND	ND	ND	ND	ND	ND	ND	9,13E-08	6,68E-07	5,53E-06	2,59E-07	-7,64E-04
EP-marine	kg Ne	1,89E-03	1,98E-07	9,68E-05	1,98E-03	1,61E-05	1,51E-05	ND	ND	ND	ND	ND	ND	ND	4,25E-07	9,61E-06	4,48E-05	8,20E-06	-2,02E-03
EP-terrestrial	mol Ne	2,63E-02	2,15E-06	1,07E-03	2,74E-02	1,76E-04	1,41E-04	ND	ND	ND	ND	ND	ND	ND	3,91E-06	1,05E-04	3,86E-04	8,55E-05	-2,10E-02
POCP (“smog”) ³⁾	kg NMVOCe	7,95E-03	8,88E-07	4,76E-04	8,43E-03	7,24E-05	3,73E-05	ND	ND	ND	ND	ND	ND	ND	9,82E-07	4,31E-05	1,06E-04	3,05E-05	-7,76E-03
ADP-minerals & metals ⁴⁾	kg Sbe	4,19E-05	4,93E-10	4,27E-07	4,23E-05	4,02E-08	8,85E-09	ND	ND	ND	ND	ND	ND	ND	5,90E-09	2,39E-08	3,77E-07	4,87E-09	-8,79E-06
ADP-fossil resources	MJ	2,78E+01	2,56E-03	1,35E+00	2,92E+01	2,09E-01	3,74E-02	ND	ND	ND	ND	ND	ND	ND	4,18E-02	1,24E-01	1,36E-01	7,07E-02	-2,26E+01
Water use ⁵⁾	m ³ e depr.	9,25E-01	1,27E-05	1,65E+00	2,57E+00	1,03E-03	5,16E-03	ND	ND	ND	ND	ND	ND	ND	2,30E-03	6,15E-04	9,27E-03	4,29E-04	-1,23E+00

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	1,75E-07	1,77E-11	6,32E-09	1,81E-07	1,44E-09	3,64E-10	ND	ND	ND	ND	ND	ND	ND	2,47E-11	8,59E-10	1,38E-09	4,66E-10	-1,88E-07
Ionizing radiation ⁶⁾	kBq 11235e	2,58E+00	2,23E-06	9,00E-02	2,67E+00	1,82E-04	1,04E-04	ND	ND	ND	ND	ND	ND	ND	3,05E-03	1,08E-04	1,01E-03	4,90E-05	-1,63E-01
Ecotoxicity (freshwater)	CTUe	2,16E+01	3,67E-04	2,40E-01	2,19E+01	2,96E-02	2,14E-02	ND	ND	ND	ND	ND	ND	ND	2,24E-03	1,76E-02	1,75E-01	1,48E+02	-4,99E+00
Human toxicity, cancer	CTUh	2,21E-08	2,91E-14	2,78E-10	2,24E-08	2,38E-12	4,92E-12	ND	ND	ND	ND	ND	ND	ND	2,35E-13	1,42E-12	2,08E-11	6,48E-13	-1,73E-09
Human tox. non-cancer	CTUh	2,71E-08	1,66E-12	7,27E-10	2,78E-08	1,35E-10	3,11E-10	ND	ND	ND	ND	ND	ND	ND	7,31E-12	8,06E-11	8,17E-10	4,16E-11	-1,82E-08
SQP ⁷⁾	-	2,39E+01	2,58E-03	2,31E+01	4,71E+01	2,11E-01	2,20E-02	ND	ND	ND	ND	ND	ND	ND	8,94E-03	1,25E-01	3,72E-01	1,39E-01	-4,77E+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	4,62E+00	3,51E-05	2,07E+00	6,69E+00	2,87E-03	-2,40E+00	ND	ND	ND	ND	ND	ND	ND	2,86E-02	1,71E-03	1,90E-02	7,51E-04	-1,07E+01
Renew. PER as material	MJ	0,00E+00	0,00E+00	2,51E+00	2,51E+00	0,00E+00	-2,51E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,40E-01
Total use of renew. PER	MJ	4,62E+00	3,51E-05	4,58E+00	9,20E+00	2,87E-03	-4,91E+00	ND	ND	ND	ND	ND	ND	ND	2,86E-02	1,71E-03	1,90E-02	7,51E-04	-1,09E+01
Non-re. PER as energy	MJ	2,19E+01	2,56E-03	1,54E+00	2,35E+01	2,09E-01	-2,82E-01	ND	ND	ND	ND	ND	ND	ND	4,18E-02	1,24E-01	-4,62E+00	2,37E-02	-2,26E+01
Non-re. PER as material	MJ	0,00E+00	0,00E+00	3,36E-01	3,36E-01	0,00E+00	-3,36E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non-re. PER	MJ	2,19E+01	2,56E-03	1,88E+00	2,38E+01	2,09E-01	-6,18E-01	ND	ND	ND	ND	ND	ND	ND	4,18E-02	1,24E-01	-4,62E+00	2,37E-02	-2,26E+01
Secondary materials	kg	2,78E-02	1,09E-06	9,46E-03	3,73E-02	8,90E-05	6,10E-05	ND	ND	ND	ND	ND	ND	ND	4,99E-06	5,30E-05	2,86E-04	1,84E-05	4,70E-01
Renew. secondary fuels	MJ	7,87E-02	1,39E-08	8,50E-02	1,64E-01	1,13E-06	2,46E-07	ND	ND	ND	ND	ND	ND	ND	1,60E-08	6,73E-07	1,05E-05	3,74E-07	-8,88E-05
Non-ren. secondary fuels	MJ	5,24E-06	0,00E+00	0,00E+00	5,24E-06	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	m³	4,83E-02	3,79E-07	1,13E-03	4,94E-02	3,09E-05	2,83E-05	ND	ND	ND	ND	ND	ND	ND	5,45E-05	1,84E-05	1,05E-04	1,22E-06	-2,72E-02

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	2,37E-01	4,64E-06	3,74E-03	2,41E-01	3,54E-04	1,10E-03	ND	ND	ND	ND	ND	ND	ND	2,98E-05	2,11E-04	3,61E-03	9,85E-05	-5,97E-01
Non-hazardous waste	kg	4,18E+00	8,64E-05	2,31E-01	4,41E+00	6,56E-03	1,61E-01	ND	ND	ND	ND	ND	ND	ND	5,86E-04	3,90E-03	1,52E-01	5,47E-02	-4,72E+00
Radioactive waste	kg	1,58E-04	5,46E-10	1,02E-05	1,69E-04	4,46E-08	2,65E-08	ND	ND	ND	ND	ND	ND	ND	6,51E-07	2,65E-08	2,56E-07	1,20E-08	-3,75E-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	2,50E-02	0,00E+00	0,00E+00	2,50E-02	0,00E+00	1,60E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	4,68E-01	0,00E+00	0,00E+00
Materials for energy rec	kg	2,10E-04	0,00E+00	0,00E+00	2,10E-04	0,00E+00	1,46E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	8,88E-02	0,00E+00	0,00E+00
Exported energy	MJ	6,14E-04	0,00E+00	0,00E+00	6,14E-04	0,00E+00	1,81E+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	6,49E-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	1,16E+00	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, Sweden, residual mix, 2024, Sweden, One Click LCA, 0.11 kgCO₂e/kWh

Transport scenario documentation - A4 (Transport resources)

1. Market for transport, freight, lorry >32 metric ton, EURO5, 115 km

Transport to the building site (A4) - Scenario documentation

Scenario parameter	Value
Capacity utilization (including empty return) %	75
Bulk density of transported products	1160
Volume capacity utilization factor	1

Installation at the building site (A5) - Scenario documentation

Scenario parameter	Value
Energy: type and consumption (MJ or kWh)	-
Water use (m ³)	-
Ancillary materials: type and mass (kg)	-
Waste materials: type and mass (kg)	-
Waste materials: output routes	PE Plastic packaging 0,002 kg recycling, 0,0059 kg incineration, 0,00008 kg landfill Wood Pallet 0,014 kg recycling, 0,14 kg incineration, 0,0016 kg landfill
Direct emissions (kg)	-

End of life (C1-C4) - Scenario documentation

Scenario information	Value
Collection process: collected separately (kg)	-
Collection process: Mixed waste (kg)	1 kg
Recovery: re-use (kg)	0
Recovery: recycling (kg)	0,47 kg
Recovery: energy recovery (kg)	0,09 kg
Disposal (kg)	0,44 kg
Scenario assumptions e.g. transportation (mode, km) & other	The assumed distance for waste management facility is 50 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

D.V as an authorized verifier for EPD Hub Limited 10.07.2026



ANNEX

GTIN	Artikelkod	REC Productname	1 Kg	GWP-Fossil, A1-A3	2,11E+00
		AVERAGE Kg	3,07	6,5	Kg Co ₂ e/item
7340215105323	70054125	RW60-TV Ø125 Komplet	2,3	4,9	Kg Co ₂ e/item
7340215105330	70054160	RW45-TV Ø160 Komplet	2,8	5,9	Kg Co ₂ e/item
7340215105354	70055125	RW60-TT Ø125 Komplet	3,2	6,8	Kg Co ₂ e/item
7340215105361	70055160	RW45-TT Ø160 Komplet	4	8,4	Kg Co ₂ e/item