

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

Shockdeck
Rampline AS



EPD HUB, HUB-7807
Published on 13.10.2026, last updated on 13.10.2026, valid until 12.10.2031

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	Rampline AS
Address	Østabøvegen 11, 4163 Talgje
Contact details	kontakt@rampline.no
Website	www.rampline.no

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	Karin Sjostrand Cochard
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☑ External verification
EPD verifier	Elena Antuña-Bernardo as an authorized verifier for EPD Hub

This EPD is intended for business-to-business 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	Shockdeck
Additional labels	
Product reference	
Place(s) of raw material origin	Sri Lanka, India, South Korea and more
Place of production	Sri Lanka
Place(s) of installation and use	Norge
Period for data	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 (%)	79,8

ENVIRONMENTAL DATA SUMMARY

Declared unit	One piece
Declared unit mass	0,16 kg
Mass of packaging	0,01 kg
GWP-fossil, A1-A3 ($kgCO_2e$)	0,41
GWP-total, A1-A3 ($kgCO_2e$)	0,17
Secondary material, inputs (%)	1,87
Total energy use, A1-A3 (kWh)	1,7
Net freshwater use, A1-A3 (m^3)	0

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Rampline AS is a Norwegian company that develops and manufactures innovative activity and playground equipment that encourages physical play for people of all ages.
Rampline's products can be combined to create motor skill parks that engage every muscle, improving balance, strength and coordination while having fun at the same time.
Since 2011, Rampline has delivered high-quality Norwegian products for use in public spaces, playgrounds and schoolyards.

PRODUCT DESCRIPTION

ShockDeck™ is a shock-absorbing, roll-friendly and universally designed fall protection solution that does not result in the release of microplastics.
The declared unit covered by this EPD consists solely of the natural rubber damper component, designed, developed and engineered by Rampline AS.
The complete ShockDeck™ system, including adjustable feet and decking boards of the specified quality (standard dimensions), is third-party certified according to EN 1177:2018 and approved for a critical fall height of up to 1.8 meters
Approximately four ShockDeck™ dampers are required per square metre.

Further information can be found at:
www.rampline.no

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals		
Minerals	48,4	Jordan, Thailand, India, South Korea, Malaysia
Fossil materials	4,57	India
Bio-based materials	47	Sri Lanka

BIOGENIC CARBON CONTENT

Product’s biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0,0664
Biogenic carbon content in packaging, kg C	0,00175

1 kg of biogenic carbon is equivalent to 44/12 kg of CO_2

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	One piece
Mass per declared unit	0,16 kg
Functional unit	
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

A5 is not fully declared. Waste processing (from collection through to end-of-waste or final disposal) and full energy and biogenic carbon balancing are accounted for. Storage, product wastage, and installation into the building are excluded.

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 production
The production process takes place in several steps. First the rubber, activators, additives and fillers are mixed in an internal mixer. Secondly, the mix is homogenized by a milling process where sulfur and curing agents are added. Thereafter the compound is shaped into mats and pressed in a molding and vulcanization process where release agents are added. Then, the product-mats are inspected and graded and finally the mats are cut and trimmed with addition of finishing agents.
The factory uses electricity for lighting , mixiners, extruders and general machines and furnace oil for steam based operations.
The various raw materials are transported by truck and then by ship to Colombo port from their respective factory locations.
Production losses ranges from 1% to 2% for the various raw materials and this is lost as dust and thus not sent to waste treatment.
Packaging consists of reused wood pallets (in the EPD modelled as new pallets), new carton boxes and virgin plastic stretch film. Ancillary materials consist of lubricant oil that is sent to incineration with energy recovery after use (100 km distance to waste treatment) and tap water of which 25% is lost as evaporation and 75% is sent to local water treatment plant.

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.
A5 is not in scope. Only packaging waste is accounted for in this module.

The transport scenario from factory gate to construction site consist of the 25 km truck delivery from the factory to the port of Colombo and 15371 km container ship transport to the port of Stavanger where the Rampline warehouse is located. There is no further transport in Norway included in A4.

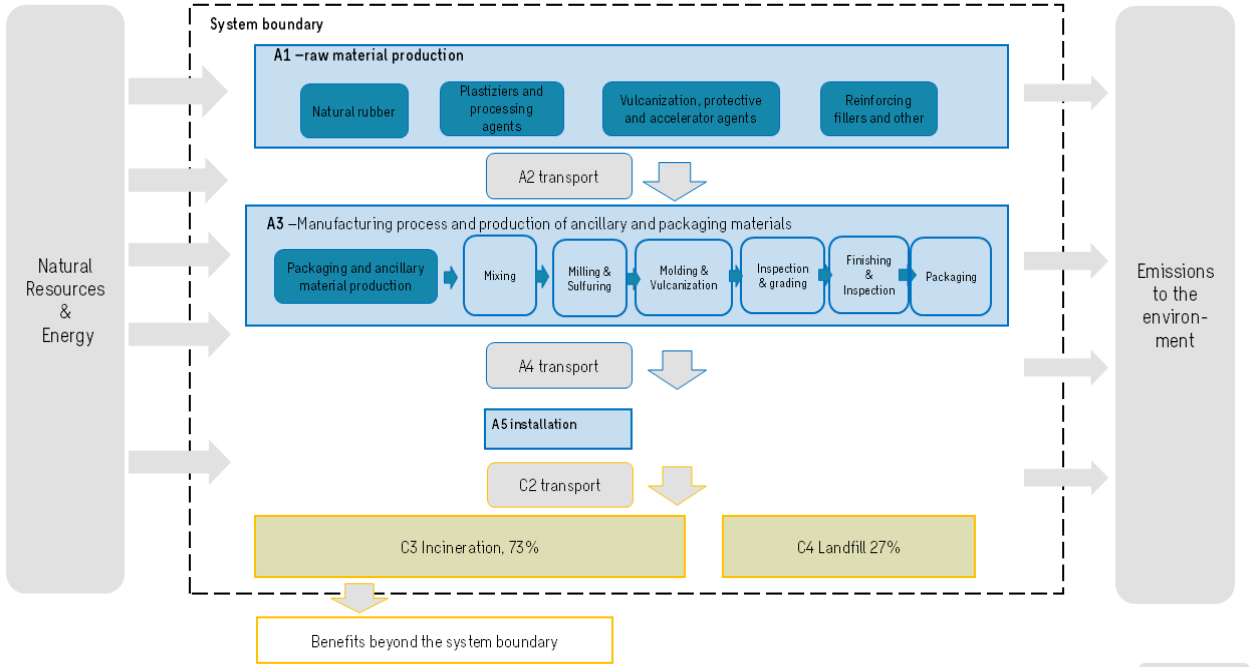
PRODUCT USE AND MAINTENANCE (B1-B7)

This stage is not included in the scope

PRODUCT END OF LIFE (C1-C4, D)

For the Shockdeck product handled in C3 and C4 it is assumed a standard scenario with 27% landfill (C4) and 73% incineration (C3).
The D module includes the energy recovery that is generated by the incineration processes in C3 (rubber incineration), the incineration of wood pallets and plastic film in module A5, as well as the incineration of lubricant oil in module A3. The total thermal energy from these processes are 0,73 MJ and electric energy is 0,51 MJ.
Data on thermal and electric energy generated from the incineration is given by the waste treatment data description. The relevant data sets for waste treatment processes are from 2025.

LIFE CYCLE FLOW DIAGRAM



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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.

No processes have been omitted.

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	Physical Properties
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, %	

This EPD is product and factory specific.

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‘.

Revealing the Environmental Footprint of Crepe Rubber Production: A Comprehensive Life Cycle Assessment of a Crepe Rubber Factory in Sri Lanka , Pasan Dunuwila et al, 2025, Journal article: Sustainability, 17, 1239
Usubharatana – Phungrassami: Carbon footprint of rubber products supply chain, 2018, Applied ecology and environmental research 16(2): 1639-1657
Greenhouse gas emissions from rubber industry in Thailand, Warit Jawjit, Carolien Kroeze, Suwat Rattanapan, Journal of Cleaner Production 18 (2010) 403–411, 2009

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_2e	-4,93E-02	6,98E-03	2,15E-01	1,73E-01	2,68E-02	6,87E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,12E-03	5,38E-01	6,65E-02	-1,81E-01
GWP – fossil	kg CO_2e	1,84E-01	6,98E-03	2,19E-01	4,09E-01	2,68E-02	4,57E-04	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,12E-03	3,69E-01	4,01E-03	-1,81E-01
GWP – biogenic	kg CO_2e	-2,33E-01	1,25E-06	-3,54E-03	-2,37E-01	-4,53E-06	6,41E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,80E-07	1,69E-01	6,25E-02	0,00E+00
GWP – LULUC	kg CO_2e	9,92E-05	3,46E-06	1,72E-04	2,75E-04	1,44E-05	1,36E-07	ND	ND	ND	ND	ND	ND	ND	0,00E+00	9,49E-07	1,74E-06	3,30E-07	-2,22E-04
Ozone depletion pot.	kg $CFC\text{-}_{11}$e	2,32E-06	9,87E-11	2,86E-09	2,32E-06	3,78E-10	2,63E-12	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,13E-11	1,11E-10	1,25E-11	-8,00E-10
Acidification potential	mol H^+e	1,46E-03	1,28E-04	2,42E-03	4,01E-03	7,75E-04	1,04E-06	ND	ND	ND	ND	ND	ND	ND	0,00E+00	7,23E-06	5,11E-05	3,64E-06	-1,16E-03
EP-freshwater[2)]	kg Pe	4,93E-05	8,23E-07	3,76E-05	8,78E-05	9,69E-07	5,68E-08	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,65E-07	9,56E-07	5,38E-08	-6,63E-05
EP-marine	kg Ne	2,14E-04	3,54E-05	9,18E-04	1,17E-03	1,93E-04	4,29E-07	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,38E-06	2,04E-05	9,04E-05	-1,83E-04
EP-terrestrial	mol Ne	2,26E-03	3,91E-04	9,75E-03	1,24E-02	2,14E-03	3,88E-06	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,59E-05	2,21E-04	1,46E-05	-1,88E-03
POCP ("smog")[3)]	kg NMVOCe	1,05E-03	1,09E-04	2,80E-03	3,95E-03	5,82E-04	1,20E-06	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,07E-05	5,74E-05	5,81E-06	-5,58E-04
ADP-minerals & metals[4)]	kg Sbe	4,67E-06	1,24E-08	9,70E-07	5,65E-06	2,82E-08	1,20E-09	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,91E-09	2,41E-08	1,10E-09	-1,14E-07
ADP-fossil resources	MJ	2,28E+00	9,07E-02	2,69E+00	5,06E+00	3,29E-01	2,48E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,08E-02	5,37E-02	1,08E-02	-1,96E+00
Water use[5)]	m^3e depr.	7,86E-02	4,14E-04	3,15E-02	1,10E-01	9,61E-04	1,12E-04	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,52E-04	1,92E-02	5,54E-05	-2,87E-02

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	2,30E-06	5,38E-10	6,09E-09	2,31E-06	8,22E-10	1,64E-11	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,12E-10	2,60E-10	7,85E-11	-1,68E-08
Ionizing radiation[6]	kBq U235e	4,25E-03	6,71E-05	1,68E-03	6,00E-03	1,45E-04	1,63E-05	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,68E-05	2,06E-04	1,16E-05	-1,42E-02
Ecotoxicity (freshwater)	CTUe	3,42E+01	1,84E-02	3,36E+00	3,75E+01	2,06E-01	2,10E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,35E-03	6,10E-01	1,49E-01	-3,94E-01
Human toxicity, cancer	CTUh	2,28E-06	1,22E-12	4,18E-11	2,28E-06	5,64E-12	1,32E-13	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,50E-13	4,16E-12	4,78E-13	-2,95E-11
Human tox. non-cancer	CTUh	2,28E-06	3,61E-11	1,22E-09	2,28E-06	8,23E-11	6,27E-12	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,99E-11	1,06E-10	9,65E-11	-1,17E-09
SQP[7]	-	3,63E+00	5,72E-02	1,12E+00	4,81E+00	3,01E-02	1,85E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,10E-02	1,77E-02	2,49E-02	-7,50E-01

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	1,09E+00	1,08E-03	2,77E-01	1,37E+00	2,55E-03	-1,02E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,22E-04	3,06E-03	1,79E-04	-2,38E-01
Renew. PER as material	MJ	2,05E+00	0,00E+00	3,57E-02	2,09E+00	0,00E+00	-5,60E-02	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	-1,48E+00	-5,49E-01	0,00E+00
Total use of renew. PER	MJ	3,15E+00	1,08E-03	3,13E-01	3,46E+00	2,55E-03	-1,58E-01	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,22E-04	-1,48E+00	-5,48E-01	-2,38E-01
Non-re. PER as energy	MJ	2,05E+00	9,07E-02	2,59E+00	4,73E+00	3,29E-01	-6,00E-04	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,08E-02	-3,13E+00	-1,55E+00	-1,96E+00
Non-re. PER as material	MJ	1,14E-01	0,00E+00	6,87E-03	1,21E-01	0,00E+00	-8,00E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	-6,82E-02	-2,52E-02	0,00E+00
Total use of non-re. PER	MJ	2,16E+00	9,07E-02	2,60E+00	4,86E+00	3,29E-01	-8,60E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,08E-02	-3,20E+00	-1,58E+00	-1,96E+00
Secondary materials	kg	2,99E-03	3,82E-05	9,04E-04	3,93E-03	1,56E-04	3,23E-06	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,31E-05	5,64E-05	3,89E-06	-3,59E-03
Renew. secondary fuels	MJ	6,72E-05	2,36E-07	1,48E-03	1,55E-03	3,71E-07	2,11E-08	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,66E-07	1,82E-06	7,26E-08	-5,98E-05
Non-ren. secondary fuels	MJ	2,28E-06	0,00E+00	0,00E+00	2,28E-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	m^3	1,56E-03	1,31E-05	7,45E-04	2,32E-03	2,22E-05	1,31E-06	ND	ND	ND	ND	ND	ND	ND	0,00E+00	4,55E-06	3,55E-04	-1,59E-04	-7,93E-04

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	1,45E-02	2,32E-04	1,19E-02	2,66E-02	4,41E-04	5,44E-05	ND	ND	ND	ND	ND	ND	ND	0,00E+00	5,21E-05	1,15E-02	1,94E-05	-1,49E-02
Non-hazardous waste	kg	2,46E-01	4,45E-03	1,48E+00	1,73E+00	6,46E-03	2,57E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	9,65E-04	1,33E-01	2,14E-01	-3,22E-01
Radioactive waste	kg	5,82E-06	1,64E-08	4,03E-07	6,24E-06	3,54E-08	4,10E-09	ND	ND	ND	ND	ND	ND	ND	0,00E+00	6,56E-09	5,40E-08	2,83E-09	-3,46E-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	2,28E-06	0,00E+00	0,00E+00	2,28E-06	0,00E+00	3,40E-03	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	2,28E-06	0,00E+00	0,00E+00	2,28E-06	0,00E+00	1,85E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy rec	kg	9,49E-06	0,00E+00	0,00E+00	9,49E-06	0,00E+00	1,95E-03	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	1,17E-01	0,00E+00	0,00E+00
Exported energy	MJ	2,28E-06	0,00E+00	0,00E+00	2,28E-06	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	1,17E+00	0,00E+00	0,00E+00
Exported energy – Electricity	MJ	2,28E-06	0,00E+00	0,00E+00	2,28E-06	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	4,94E-01	0,00E+00	0,00E+00
Exported energy – Heat	MJ	2,28E-06	0,00E+00	0,00E+00	2,28E-06	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	6,78E-01	0,00E+00	0,00E+00
ADP-fossil	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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_2e	1,84E-01	6,98E-03	2,19E-01	4,10E-01	2,68E-02	4,57E-04	ND	ND	ND	ND	ND	ND	ND	0,00E+00	2,12E-03	3,69E-01	4,01E-03	-1,81E-01

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

DATA SOURCES

Manufacturing energy scenario documentation

1. Market for diesel, burned in diesel-electric generating set, 18.5kW, World, Ecoinvent, 0.10 kgCO2e/MJ
2. Market for electricity, low voltage, Sri Lanka, Ecoinvent, 0.67 kgCO2e/kWh

Transport scenario documentation - A4 (Transport resources)

Transport to the building site (A4) - Scenario documentation

Scenario parameter	Value
Capacity utilization (including empty return) %	70
Bulk density of transported products	17
Volume capacity utilization factor	≥1

Installation at the building site (A5) - Scenario documentation

Scenario parameter	Value
Energy: type and consumption (MJ or kWh)	Energy consumption for the installtion of the rubber content is negligable and is therefore assumed as 0.
Water use (m^3)	-
Ancillary materials: type and mass (kg)	-
Waste materials: type and mass (kg)	Carton box packaging: 0,0034 kg Plastic stretch film: 0,0001 kg Wood pallets: 0,0037 kg
Waste materials: output routes	50% of the wood pallets are reused while 50% are incinerated with energy recovery. The plastic stretch film is incinerated and the carton boxes are sent to sorting facility for recycling. All waste is transported 100 km by truck.
Direct emissions (kg)	-

End of life (C1-C4) - Scenario documentation

Scenario information	Value
Collection process: collected separately (kg)	0,16 kg
Collection process: Mixed waste (kg)	
Recovery: re-use (kg)	0
Recovery: recycling (kg)	0
Recovery: energy recovery (kg)	0,12
Disposal (kg)	0,04
Scenario assumptions e.g. transportation (mode, km) & other	For transport to incineration it is assumed a distance of 150 km while for transport to landfill it is assumed a distance of 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

Elena Antuña-Bernardo as an authorized verifier for EPD Hub Limited
13.10.2026

