

**Environmental
Product
Declaration**

According to EN15804+A2

This declaration is for:

Eco Desk XL

Provided by:

Ecolution Design



MRPI® registration:

1.1.00963.2025

Program operator:

Stichting MRPI®

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COMPANY INFORMATION

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MRPI® REGISTRATION

1.1.00963.2025

DATE OF THIS ISSUE

31-8-2025

EXPIRY DATE

31-8-2030

SCOPE OF DECLARATION

This MRPI®-EPD certificate is verified by Mantijn van Leeuwen, NIBE. The LCA study has been done by Thijs de Goede, Alba Concepts. The certificate is based on an LCA-dossier according to EN15804+A2. It is verified according to the 'MRPI®-EPD verification protocol November 2020.v4.0'. EPDs of construction products may not be comparable if they do not comply with EN15804+A2. Declaration of SVHC that are listed on the 'Candidate list of Substances of Very High Concern for authorisation' when content exceeds the limits for registration with ECHA.

PROGRAM OPERATOR

Stichting MRPI®
Kingsfordweg 151
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Amsterdam

PRODUCT

Eco Desk XL

DECLARED UNIT / FUNCTIONAL UNIT

1 Piece

DESCRIPTION OF PRODUCT

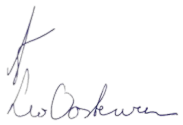
A focus pod designed to create a quiet and enclosed workspace for individual tasks. All Pods of Ecolution Design use interchangeable standard components, allowing easy addition, modification, merging, or splitting of configurations. This EPD represents one specific configuration: Eco Desk XL, having a front and backside with fully glass windows. Most materials are sourced from post-consumer and post-industrial waste streams, following circular economy principles.

VISUAL PRODUCT



MORE INFORMATION

<https://ecolutiondesign.eu/>

Ing. L. L. Oosterveen MSc. MBA Managing Director MRPI	DEMONSTRATION OF VERIFICATION CEN standard EN15804 serves as the core PCR [1]
	Independent verification of the declaration and data according to EN15804+A2 Internal: External: X Third party verifier: Mantijn van Leeuwen, NIBE 
	[1] PCR = Product Category Rules



DETAILED PRODUCT DESCRIPTION

A focus pod consisting of interior panels made of (recycled) wood, exterior panels upholstered with eco-fabric or laminated panels, a frame made of powder-coated aluminum, insulation from recycled fibers, laminated glass panels, upholstery from recycled textiles, rubber profiles for windows and doors. This EPD represents one specific configuration: the Eco Desk XL, having a front and backside with fully glass windows. Fasteners and finishing layers are included. The complete materialization is calculated back to one piece of this focus pod. The electronic components are not included in this EPD (ventilation units and LED lights).

Technical data	Value	Unit
RSL	10	year
Width	2179	mm
Depth	2140	mm
Height	2333	mm
Weight	726	kg

Component (> 1%)	(%)
Chipboards	45%
Laminated glass	28%
Aluminium, parts	8%
Steel, parts	6%
Medium-density fibreboards	6%
Insulation, recycled fibers	4%
Textiles, recycled fibers	2%
Steel, fasteners	1%

SCOPE AND TYPE

The product is produced in Apeldoorn, The Netherlands. End-of-life scenarios from the Dutch Environmental Performance Assessment Method for Construction Works versie 1.2 (www.milieudatabase.nl/en/) are applied and are considered to be representative for Europe. Background database Ecolnvent 3.9.1 is applied in the LCA study. The EPD is generated with R<THINK (www.rethink-epd.com).

Purpose and target groups

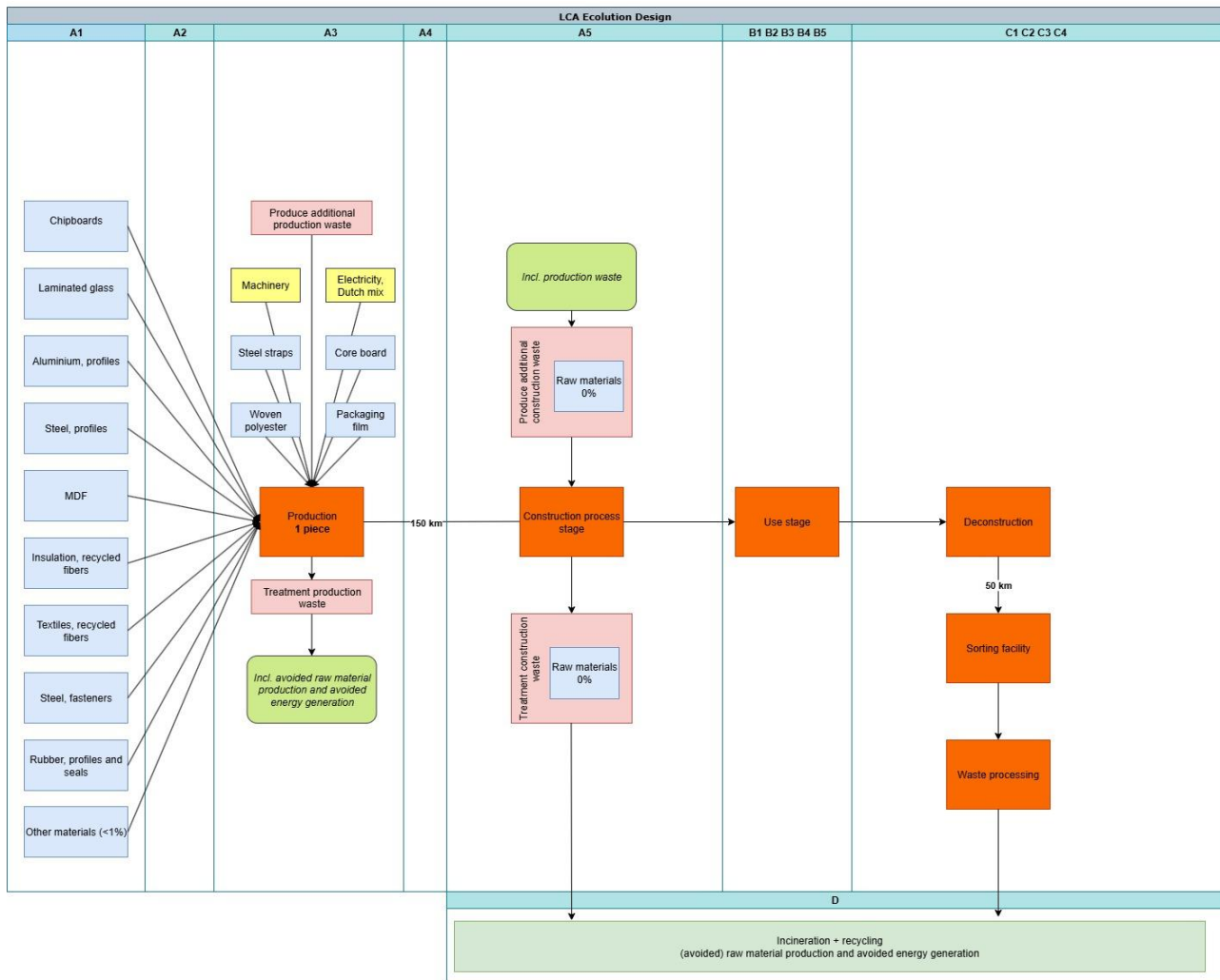
The purpose of this study is to define the environmental impact of the examined product by creating an Environmental Product Declaration (EPD) based on a Life Cycle Assessment (LCA). The potential environmental impacts are calculated in accordance with ISO 14040 and 14044, which define the LCA method. The EPD is created in accordance with ISO 14025, which defines principles and procedures of Type III environmental declarations, and EN 15804, which defines core rules for EPDs of construction products. The EPD serves not only the determination of environmental impact of the product, but it also shows the material and energy flows of the production and therefore identifies potential for optimization. Due to the publication of the LCA results by an EPD it is possible to communicate the environmental impacts of the product towards relevant stakeholder groups. Furthermore, the EPD enables the calculation of the environmental impacts on a building level. Therefore, the results of this study can support a fact-oriented dialogue based on a transparent environmental information of the examined products and can be used for business-to-business (B2B) and/or business-to-customer (B2C) communication. The target groups of this LCA study are users of EPD's in accordance with the EN15804:2012+A2:2019, ISO14040, ISO14044 and is for Business-to-Business (B2B) communication.



PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport gate to site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse - Recovery - Recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	X	X	X	ND	ND	ND	ND	X	X	X	X	X

X = Modules Assessed

ND = Not Declared



REPRESENTATIVENESS

This EPD is representative for Eco Desk XL, a product of Ecolution Design. The results of this EPD are representative for production in the Netherlands.

Data collection

All data is collected in 2025 and represents the production location in Apeldoorn. An average Dutch power mix is applied.

Consistency

Consistency is ensured by exclusively using the Ecolnvent 3.9.1 database.

Reproducibility

Reproducibility is guaranteed: all values used in this LCA are documented in the EPD report and the associated background report. The data collection methods and sources are described, ensuring the LCA can be reproduced.

Comparability

In principle, a comparison or assessment of the environmental impacts of different products is only possible if they have been prepared in accordance with EN 15804+A2:2019. For the evaluation of the comparability, the following aspects have to be considered in particular: PCR used, functional or declared unit, geographical reference, the definition of the system boundary, declared modules, data selection (primary or secondary data, background database, data quality), scenarios used for use and disposal phases, and the life cycle inventory (data collection, calculation methods, allocations, validity period). PCRs and general program instructions of different EPD program operators may differ. Comparability needs to be evaluated. For further guidance, see EN 15804+A2:2019 and ISO 14025.



ENVIRONMENTAL IMPACT per functional unit or declared unit (core indicators A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	2,91E+02	2,31E+01	2,28E+02	5,42E+02	1,43E+01	1,29E+01	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,19E+01	6,21E+02	3,02E+01	-1,19E+01
GWP-fossil	kg CO2 eq.	8,70E+02	2,31E+01	2,32E+02	1,13E+03	1,43E+01	7,28E-01	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,19E+01	6,10E+01	1,05E+00	-1,04E+01
GWP-biogenic	kg CO2 eq.	-5,81E+02	7,71E-03	-4,44E+00	-5,85E+02	3,78E-03	1,21E+01	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	3,87E-03	5,60E+02	2,91E+01	-2,64E-01
GWP-luluc	kg CO2 eq.	5,51E+00	1,78E-02	5,09E-01	6,04E+00	4,17E-03	4,76E-04	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	4,23E-02	2,11E-02	3,12E-04	-9,68E-01
ODP	kg CFC11 eq.	1,60E-04	5,13E-07	1,86E-05	1,79E-04	8,96E-07	2,35E-08	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	2,11E-07	1,06E-06	7,55E-08	4,96E-05
AP	mol H+ eq.	5,67E+00	6,31E-02	1,15E+00	6,89E+00	3,29E-02	2,89E-03	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	5,69E-02	2,03E-01	4,96E-03	-9,64E-02
EP-fresh water	kg PO4 eq.	5,98E-02	1,97E-04	1,66E-02	7,66E-02	8,51E-05	7,37E-06	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,18E-04	5,11E-04	1,85E-05	2,99E-02
EP-marine	kg N eq.	7,97E-01	1,79E-02	1,74E-01	9,88E-01	9,04E-03	1,15E-03	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	2,16E-02	7,29E-02	4,28E-03	-1,67E-01
EP-terrestrial	mol N eq.	1,40E+01	1,89E-01	3,17E+00	1,73E+01	9,99E-02	1,22E-02	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	2,30E-01	8,28E-01	1,97E-02	-2,40E+00
POCP	kg NMVOC eq.	2,90E+00	9,94E-02	5,85E-01	3,58E+00	4,71E-02	4,10E-03	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	7,87E-02	2,30E-01	7,78E-03	-5,53E-01
ADP-minerals & metals	kg Sb eq.	1,13E-02	6,52E-05	3,35E-03	1,47E-02	3,53E-05	2,01E-06	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	3,72E-05	3,95E-04	9,40E-07	6,33E-03
ADP-fossil	MJ, net calorific value	1,36E+04	3,48E+02	3,43E+03	1,73E+04	2,42E+02	5,47E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,70E+02	1,94E+02	1,59E+01	1,54E+03
WDP	m3 world eq. Deprived	4,00E+02	1,68E+00	6,04E+01	4,62E+02	7,95E-01	6,26E-02	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	9,29E-01	4,21E+00	3,23E-01	-1,38E+00

GWP-total	=	Global Warming Potential total
GWP-fossil	=	Global Warming Potential fossil fuels
GWP-biogenic	=	Global Warming Potential biogenictotal
GWP-luluc	=	Global Warming Potential land use and land use change
ODP	=	Depletion potential of the stratospheric ozone layer
AP	=	Acidification Potential, Accumulated Exceedence
EP-freshwater	=	Eutrophication Potential, fraction of nutrients reaching freshwater end compartment
EP-marine	=	Eutrophication Potential, fraction of nutrients reaching marine end compartment
EP-terrestrial	=	Eutrophication Potential, Accumulated Exceedence
POCP	=	Formation potential of tropospheric ozone photochemical oxidants
ADP-minerals & metals	=	Abiotic Depletion Potential for non-fossil resources [1]
ADP-fossil	=	Abiotic Depletion for fossil resources potential [1]
WDP	=	Water (user) deprivation potential, deprivation-weighted water consumption [1]

Disclaimer [1]:

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.



ENVIRONMENTAL IMPACT per functional unit or declared unit (additional indicators A2)

Unit		A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PM	Disease incidence	6,04E-05	2,28E-06	1,06E-05	7,33E-05	8,76E-07	4,95E-08	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,17E-06	2,27E-06	1,05E-07	-1,06E-05
IRP	kBq U235 eq.	3,81E+01	1,65E-01	9,95E+00	4,82E+01	6,63E-02	6,96E-03	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	6,64E-02	4,78E-01	2,47E-02	7,74E+00
ETP-fw	CTUe	1,32E+04	1,75E+02	1,99E+03	1,54E+04	3,02E+01	9,90E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,26E+02	5,86E+02	2,64E+01	1,02E+03
HTP-c	CTUh	1,85E-06	1,04E-08	6,33E-07	2,49E-06	4,26E-09	9,72E-10	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	6,29E-09	1,28E-06	3,70E-10	7,18E-07
HTP-nc	CTUh	1,42E-05	2,52E-07	5,04E-06	1,95E-05	7,84E-08	7,02E-09	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,37E-07	7,46E-07	9,06E-09	7,07E-06
SQP	-	1,48E+04	3,46E+02	1,60E+03	1,68E+04	1,66E+02	2,10E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,34E+02	1,42E+02	3,34E+01	-9,37E+03

- PM = Potential incidence of disease due to PM emissions
- IRP = Potential Human exposure efficiency relative to U235 [1]
- ETP-fw = Potential Comparative Toxic Unit for ecosystems [2]
- HTP-c = Potential Comparative Toxic Unit for humans, cancer [2]
- HTP-nc = Potential Comparative Toxic Unit for humans, non-cancer [2]
- SQP = Potential soil quality index [2]

Disclaimer [1]:

- 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.

Disclaimer [2]:

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

OUTPUT FLOWS AND WASTE CATEGORIES per functional unit or declared unit (A1 en A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	kg	7,21E-02	2,17E-03	8,90E-02	1,63E-01	1,16E-03	3,29E-05	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,08E-03	3,67E-01	5,78E-05	4,96E-01
NHWD	kg	1,65E+02	2,98E+01	7,04E+01	2,65E+02	1,47E+01	2,15E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,12E+01	4,07E+02	8,64E+01	1,06E+01
RWD	kg	4,09E-02	1,04E-04	8,72E-03	4,97E-02	4,50E-05	5,10E-06	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	3,89E-05	3,56E-04	3,18E-05	1,02E-02
CRU	kg	0,00E+00	0,00E+00	4,73E+01	4,73E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	kg	1,45E+02	0,00E+00	2,74E+01	1,72E+02	0,00E+00	5,61E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	2,46E+02	0,00E+00	5,74E+01
MER	kg	3,99E-03	0,00E+00	0,00E+00	3,99E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,59E-04
EEE	MJ	5,46E+01	0,00E+00	9,17E+01	1,46E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,07E+03
ETE	MJ	9,40E+01	0,00E+00	1,58E+02	2,52E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,85E+03

HWD = Hazardous Waste Disposed
 NHWD = Non Hazardous Waste Disposed
 RWD = Radioactive Waste Disposed
 CRU = Components for reuse
 MFR = Materials for recycling
 MER = Materials for energy recovery
 EEE = Exported Electrical Energy
 ETE = Exported Thermal Energy

RESOURCE USE per functional unit or declared unit (A1 and A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	3,15E+03	5,08E+00	3,36E+02	3,49E+03	2,31E+00	2,12E-01	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	2,40E+00	1,88E+01	4,30E-01	-3,68E+03
PERM	MJ	5,72E+03	0,00E+00	8,17E+02	6,54E+03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,98E+03
PERT	MJ	8,65E+03	5,08E+00	1,11E+03	9,76E+03	2,31E+00	2,12E-01	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	2,40E+00	1,88E+01	4,30E-01	5,61E+02
PENRE	MJ	1,39E+04	3,48E+02	3,37E+03	1,76E+04	2,42E+02	5,48E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,70E+02	1,94E+02	1,59E+01	1,56E+03
PENRM	MJ	4,55E+02	0,00E+00	1,00E+02	5,55E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,49E+02
PENRT	MJ	1,43E+04	3,48E+02	3,47E+03	1,81E+04	2,42E+02	5,48E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	1,70E+02	1,94E+02	1,59E+01	1,68E+03
SM	kg	3,69E+02	0,00E+00	3,71E+01	4,07E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,05E+02
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NSRF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m3	1,80E+01	5,72E-02	2,61E+00	2,07E+01	2,49E-02	2,89E-03	0,00E+00	0,00E+00	0,00E+00	ND	ND	ND	ND	0,00E+00	4,11E-02	3,15E-01	1,75E-02	-1,51E+00

PERE	=	Use of renewable primary energy excluding renewable primary energy used as raw materials
PERM	=	Use of renewable primary energy resources used as raw materials
PERT	=	Total use of renewable primary energy resources
PENRE	=	Use of non-renewable primary energy resources excluding non-renewable energy resources used as raw materials
PENRM	=	Use of non-renewable primary energy resources used as raw materials
PENRT	=	Total use of non-renewable primary energy resources
SM	=	Use of secondary materials
RSF	=	Use of renewable secondary fuels
NSRF	=	Use of non-renewable secondary fuels
FW	=	Use of net fresh water

BIOGENIC CARBON CONTENT per functional unit or declared unit (A1 and A2)

	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
BBCpr	kg C	1,74E+02	0,00E+00	0,00E+00	1,74E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
BCCpa	kg C	0,00E+00	0,00E+00	3,30E+00	3,30E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

BCCpr	=	Biogenic carbon content in product
BCCpa	=	Biogenic carbon content in packaging

CALCULATION RULES (PART 1)

For each component, a Bill of Materials (BOM) is available from the production management system. Product data sheets have been provided for all raw materials. All suppliers were contacted to request available EPDs or other environmental data.

Cut-off criteria

Product stage (A1-A3)

All input flows (e.g. raw materials, transportation, energy use, packaging, etc.) and output flows (e.g. production waste) are considered in this LCA. The total neglected input flows do therefore not exceed the limit of 5% of energy use and mass.

Construction process stage (A4-A5)

All input flows (e.g. transportation to the construction site, additional raw material use for construction, installation energy (use) of energy use for assembly, etc.) and output flows (e.g. construction waste, packaging waste, etc.) are considered in this LCA. The total neglected input flows do therefore not exceed the limit of 5% of energy use and mass.

Use stage (B1-B3)

All (known) input flows (e.g. raw materials, transportation, energy use, packaging, etc.) and output flows (e.g. emissions to soil, air and water, construction waste, packaging waste, end-of-life waste, etc.) related to the product use are considered in this LCA. The total neglected input flows do therefore not exceed the limit of 5% of energy use and mass.

End of life stage (C1-C4)

All input flows (e.g. energy use for demolition or disassembly, transport to waste processing, etc.) and output flows (e.g. end-of-life waste processing of the product, etc.) are considered in this LCA. The total neglected input flows do therefore not exceed the limit of 5% of energy use and mass.

Benefits and loads beyond the system boundary (D)

All benefits and loads beyond the system boundary resulting from reusable products, recyclable materials and/or useful energy carriers leaving the product system are considered in this LCA.

Allocation

There is no allocation applied for the environmental profiles / datasets used in this LCA. For the sake of clarity, the generic processes which are not changed (e.g. Ecoinvent waste treatment processes) are not shown in this overview.

Estimates and assumptions

The scope of calculations includes all known life cycle stages of the Ecolution focus pod, with no cut-off criteria. Assessment considers the most typical version of the product, so possible customization is not considered and the results are not valid in such situations.

Assumptions across various life cycle stages were required to address data gaps and to estimate future operations. Where primary data is unavailable, conservative assumptions have been applied to ensure robustness.

An exception to this approach concerns the modeling of the fabric containing secondary content. For this material, specific processes have been developed to accurately represent the inclusion of recycled inputs. The representativeness of the secondary data is dependent on the availability and quality of datasets within the ecoinvent database. The assumed processes for fabric with 50% and 75% secondary content are included in the background report.

All assumptions and limitations are documented in detail in the background report accompanying this study.

CALCULATION RULES (PART 2)

Data quality

Data flows have been modeled as realistically as possible. Data quality assessment is based on the principle that the primary data used for processes occurring at the production site is selected in the first instance. Where this is not available, other reference data is selected from appropriate sources.



Data quality according to EN 15941	
Specific data	Laminated glass; Aluminium, parts; Medium-density fibreboards; Insulation, recycled fibers
Generic data	Steel, parts; Steel, fasteners; other materials (< 1% mass)
Proxy data	Textiles, recycled fibers; other materials (< 1% mass)

SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION (PART 1)

Waste scenarios

Waste processing for the focus pod is accounted for based on generic data. After demolition and transport of the waste streams to the applicable waste processing routes, the waste is processed for final disposal or recycling and/or reuse. The calculated quantities and the applicable end-of-life scenario of the components (> 1%) are shown below.

COMPONENT >1% of total mass	Scenario	Region	Landfill [%]	Incineration [%]	Recycling [%]	Re-use [%]
Chipboards	NMD ID 56	NL	5	95	0	0
Laminated glass	NMD ID 28	NL	30	0	70	0
Aluminium, parts	NMD ID 5	NL	3	3	94	0
Steel, parts	NMD ID 49	NL	5	5	90	0
Medium-density fibreboards	NMD ID 56	NL	5	95	0	0
Insulation, recycled fibers	NMD ID 52	NL	5	95	0	0
Textiles, recycled fibers	NMD ID 43	NL	20	80	0	0
Steel, fasteners	NMD ID 69	NL	1	0	99	0

DECLARATION OF SVHC

No raw materials on the list of very hazardous substances (SVHC) are used during the production process or in the end product.

REFERENCES

- ISO 14040
ISO 14040:2006, Environmental management - Life cycle assessment - Principles and framework
- ISO 14044
ISO 14044:2006, Environmental management - Life cycle assessment - Requirements and guidelines
- ISO 14025
ISO 14025:2011, Environmental labels and declarations - Type III environmental declarations - Principles and procedures
- EN 15804+A2
EN 15804:2012+A2:2019, Sustainability of Buildings - Environmental Product Declarations - Core rules for the product category of construction products
- EN 15941
EN 15941:2024, Sustainability of construction works - Data quality for environmental assessment of products and construction work - Selection and use of data
- Ecoinvent
ecoinvent Version 3.9.1, December 2022
- R<THINK characterization method
ecoinvent 3.9.1: EN 15804+A1 indicators (CML-IA Baseline v3.09), EN 15804+A2 indicators (EF 3.1)

