EPD - ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A1





OWNER AND PUBLISHER

PROGRAMME OPERATOR

HOLDER OF THE DECLARATION

DECLARATION NUMBER

ISSUE DATE

VALID TO

NUMBER OF DATASETS

ENERGY MIX APPROACH

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Bau EPD GmbH, A-1070 Wien, Seidengasse 13/3, www.bau-epd.at

Saint-Gobain Ecophon AB

BAU-EPD-STGOBAINECOPHON-2024-3-ECOINVENT-familyFocus

2024-12-13 (original issue date at EPD International AB: 2023-09-15)

2026-03-05

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MARKET BASED APPROACH

Ecophon Focus Saint-Gobain Ecophon AB





General information

Product name Declared Product / Declared Unit Ecophon Focus is an acoustic panel with 1 Declared unit: 1 m² acoustic ceiling the intended use to increase sound Functional unit: 1 m² acoustic ceiling with sound absorption class A installed at an ODS absorption in a room to create a better of 200 mm according to ISO 354. indoor environment. The product is based on glass wool covered with a painted or Number of datasets in EPD Document(s): 12 woven surface layer Range of validity **Declaration number** Geographic coverage and time period: Global, 2019 BAU-EPD-STGOBAINECOPHON-2024-3-Production sites: Sweden, Denmark, Poland, Finland **ECOINVENT-familyFocus Declaration data** Specific data Average data **Declaration based on:** MS-HB Version 5.0.0 dated 20.09.2023: Mineral wool A1, 2.22.2.1 Version 10.0 dated 07.06.2019 (PCR tested and approved by the independent expert committee = PKR-Gremium) The owner of the declaration is liable for the underlying information and evidence; Bau EPD GmbH is not liable with respect to manufacturer information, life cycle assessment data and evidence. Type of Declaration as per EN 15804 Database, Software, Version Gabi v10, ecoinvent 3.7 From cradle to grave The CEN standard EN 15804:2019+A1 serves as the core-PCR. **Author of the Life Cycle Assessment** Markus Beckman Independent verification of the declaration according to ISO 14025:2010 internally Saint-Gobain Ecophon AB \boxtimes externally BOX 500, 236503 Hyllinge Verifier 1: Martin Erlandsson, for EPD International AB Sweden Verifier 2: Hildegund Figl, for Bau EPD GmbH **Holder of the Declaration Owner, Publisher and Programme Operator** Saint-Gobain Ecophon AB Bau EPD GmbH BOX 500, Seidengasse 13/3 1070 Vienna 236503 Hyllinge Sweden Austria

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Verifier

Note: EPDs from similar product groups from different programme operators might not be comparable.





THE GREEN YARDSTICK



ENVIRONMENTAL PRODUCT DECLARATION

Ecophon FocusTM



 $Programme: The \ International \ EPD @ \ System, www.environdec.com \\$

Programme operator: EPD International AB

Version: 1.0

Registration number: S-P-03223

Date of publication (issue): 2021-03-05

Date of revision: 2023-09-15 Date of validity: 2026-03-05

In accordance with ISO 14025, ISO 21930 and EN 15804





Summary Environmental product declaration

Content summary	
Verified by (external third- party verifier)	Martin Erlandsson, IVL Swedish Environmental Research Institute
Programme used	The International EPD System. For more information see www.environdec.com
Registration No	S-P-03223
Owners declaration by	Saint-Gobain Ecophon AB Box 500 265 03 Hyllinge Sweden
Declaration as construction products	The products to be verified herein are acoustic glass wool panels made for sound absorbing ceilings. The present environmental product declaration complies with standard ISO 14025 and describes the environmental impact. Its purpose is to promote compatible and sustainable environmental development of related construction methods. Reference PCR document: EN 15804 as the core PCR + International EPD System Product Category Rules – PCR for constructions products and construction services, Acoustical systems solutions (sub-oriented PCR; appendix to PCR 2012:01) - previously Acoustic ceilings. EPD of construction products may not be comparable if they do not comply with EN 15804.
Validity	2026-03-05
Content of the declaration	This is an environmental product declaration containing environmental information of the product in the Ecophon family Focus. The values presented in this EPD are represented for the following products: Focus A, Focus B, Focus C, Focus Ds, Focus Dg, Focus D/A, Focus E, Focus Ez, Focus F, Focus Lp, Focus SQ, Focus Flexiform Supplemental product information can be found at www.ecophon.com
UN CPC (Central Product	37990
Classification) CODE	37129
Issued date	2021-03-05

Product responsible:

Thomas Roul

Product Engineering & Development Manager

Saint-Gobain Ecophon AB

Independent third party verifier:

Martin Erlandsson

V Han Church

LCA Business Development Manager

IVL

Product description

Product description and description of use:

This Environmental Product Declaration (EPD) describes the environmental impact of 1m² of acoustic ceiling with the intended use to increase sound absorption in a room to create a better indoor environment.

This Environmental Product Declaration (EPD) are valid for products produced in Ecophon production plants in Sweden, Denmark, Poland and Finland with a high-quality glass wool in different densities and thicknesses. The glass wool is covered with a painted or woven surface layer and cut into panels of different sizes and edge designs. The edges are painted and the panels are packed in cardboard boxes.

The structure of glass wool gives the material excellent sound energy absorption properties. Sound absorption is the main function of acoustic glass wool panels. The panels are also light, stable, and easy to handle and cut.

Acoustic glass wool panels are commonly used in schools, offices, health care facilities and production premises where there is a need for noise reduction to improve the working environment. The decrease in reverberation time, sound pressure level and other acoustic parameters are related to the amount of panels used in the room as well as the placement of the panels. The acoustic panels need no maintenance and do not age. They can last as long as the building itself. For aesthetic reasons, normal room surface cleaning is advised.

Description of the main product components and materials for 1 m² of product:

Parameter	Value (Weight in %)	Post-consumer recycled content
Product thickness	20-40 mm	
Glass wool	83% - 91%	70%
Waterborne paint	2% - 3%	-
Glass tissue	7% - 12%	-
Waterborne glue	2% - 3%	-
Plastic wrapping	30 g	-

					Total weigh	its					
Product	Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ
Total weight [kg]	1.4	2.7	2.3	2.4	2.3	1.9	2.0	3.5	2.6	2.4	2.7

All raw materials contributing more than 5% to any environmental impact are listed in the table above. The panels are free from substances of very high concern (SVHC). The product contains no substances from the REACH Candidate list (of 15.06.2018).

If there in future occur production changes that generate an increased impact larger than 10% the EPD will be updated and re-verified.

Other environmental indicators

Regarding the indoor environment, the Focus products are certified for or fulfil regulations according to the following table:

Certificate and Regulations	
Finnish M1	
Eurofins Indoor Air Comfort	

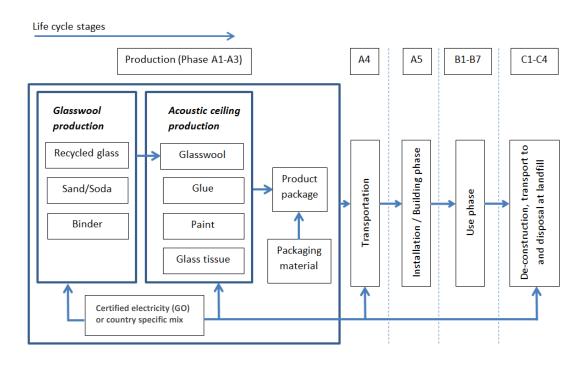
LCA calculation information

Declared unit	1m² of acoustic celling panel.
Functional unit	1m² acoustic ceiling with sound absorption class A installed at an ODS of 200mm according to ISO 354.
System boundaries	Cradle to grave: Mandatory stages = A1-3, A4-5, B1-7, C1-4 and optional stage = D This EPD covers the environmental impact of acoustic panels without grid or suspension system.
Reference Service Life (RSL)	50 years
Cut-off rules	The use of cut-off criterion on mass inputs and primary energy at the unit process level (1%) and at the information module level (5%). Flows related to human activities such as employee transport are excluded. Biogenic carbon has not been included in calculations. The construction of plants, production of machines and transportation systems are excluded since the related flows are supposed to be negligible compared to the production of the building product when compared at these systems lifetime level.
Allocations	Allocation criteria are based on mass.
Geographical coverage and time period	For A1-A3: Global For A4: European covering (2019)

According to EN 15804, EPD of construction products might not be comparable if they do not comply with this standard. According to ISO 21930, EPD's might not be comparable if they are from different EPD administrating schemes.

Life Cycle stages

Flow diagram of the Life Cycle





Product stage, A1-A3

Description of the stage:

The product stage of the glass wool products is divided into 3 modules: A1 "Raw material and supply", A2 "Transport to the manufacturer" and A3 "Manufacturer". The aggregation of the modules A1, A2 and A3 is a possibility considered by the EN 15 804 standard. This rule is applied in this EPD.

A1 Raw material supply

This module takes into account the extraction and processing of all raw materials and energy which occur upstream to the studied manufacturing process.

Specifically, the glass wool raw material supply covers production of the binder components and sourcing (quarry) of raw materials for fiber production, e.g. sand and borax. Besides these raw materials, recycled materials (glass cullet) are also used as input. Other major raw materials are paint, glass tissue and glue which also are included in the calculation. All electricity is taken account for in (GOs) or at least country specific mix.

A2 Transport to the manufacturer

The raw materials are transported to the manufacturing site. In our case, the modelling includes: road, boat or train transportations (average values) of each raw material.

A3 Manufacturing

The manufacturing includes two steps; glass wool production and glass wool panel production. The glass wool panels are produced in a continuous online process starting with applying glass tissue on the glass wool baseboard. The panels are cut into correct size and the edges of the panels are painted. After drying the panels are packed in cardboard boxes.

Manufacturing covers all processes linked to production, which comprises various related operations besides on-site activities such as grinding, painting and drying, packaging and internal transportation. The manufacturing process also yields data on the combustion of refinery products, such as natural gas, diesel and gasoline, related to the production process.

The environmental profile of these energy carriers is modelled for local conditions. Packaging-related flows in the production process and all up-stream packaging are included in the manufacturing module, i.e. wooden pallets, cardboard and PE-film. Apart from production of packaging material, the supply and transport of packaging material are also considered in the LCA model. They are reported and allocated to the module where the packaging is applied. Data on packaging waste created during this step is then generated. It is assumed that packaging waste generated in the course of production and up-stream processes is 100% collected and either recycled or incinerated with energy recovery, related to material and quality, in ratios according to the local material handling companies.

The glass wool raw material is supplied from three different external locations to all four Ecophon production sites. A representative electricity mix for glass wool production in each country of origin was used. The finished product can be produced in any of Ecophon's four production sites, the split was calculated by mass allocation from production data for year 2019 for all sites involved.

Construction process stage, A4-A5

Description of the stage:

The construction process is divided into 2 modules: A4 "Transport to the building site" and A5 "Installation in the building.

Description of scenarios and additional technical information:

A4 Transport to the building site

This module includes transport from the production gate to the building site. Transport is calculated on the basis of a scenario with the parameters described in the following table.

Parameter	Value
Fuel type, consumption of fuel and vehicle or vehicle type used for transport	Average truck trailer with a 24t payload, diesel consumption 38 litres for 100 km
Distance	475 km (based on transports in 2019)
Capacity utilisation (including empty returns)	100% of the capacity in volume 30% of empty returns
Bulk density of transported products (if available)	54 - 98 kg/m³
Volume capacity utilisation factor (if available)	1

The transport distance has been calculated from a European average transport for Ecophon in 2019 following the parameters in table above.

A5:1 Installation in the building

This module includes waste of products during the implementation, i.e. the additional production processes to compensate the loss and the waste processing which occur in this stage.

Scenarios used for quantity of product wastage and waste processing are:

Parameter	Value
Waste of materials on the building site before waste processing, generated by the product's installation	5%
Output materials (specified by type) as results of waste processing at the building site e.g. of collection for recycling, for energy recovering,	Packaging waste is 100 % collected and modelled as recovered matter
disposal	Ceiling panel losses are landfilled

A5:2 Energy usage

As a general figure the time to install 1m^2 ceiling is considered to be 20 minutes. During this time the installer is considered to use handheld appliances for about 5% of this time which in this case results in 1 minute. A handheld device such as a cordless screwdriver is considered to have a power of 0.7 kilowatt. Therefore, in one minute it will consume a total energy of 0.7*60 = 4.2 kilojoule = 0.0042 MJ, per m^2 ceiling. In this context it is a negligible contribution and will not be part of the LCA calculation (lower than 0.1% of the total energy consumption).

Use stage (excluding potential savings), B1-B7

Description of the stage:

The use stage is divided into 7 modules, B1 "Use", B2 "Maintenance", B3 "Repair", B4 "Replacement", B5 "Refurbishment", B6 "Operational energy use", B7 "Operational water use"

Description of scenarios and additional technical information:

Once installation is complete, no actions or technical operations are required during the use stages until the end of life stage. Therefore, glass wool ceiling panels have no impact (excluding potential energy savings) on this stage.

End-of-life stage C1-C4

Description of the stage:

The end-of life stage is divided into 4 modules; C1 "De-construction, demolition", C2 "Transport to waste processing", C3 "Waste processing for reuse, recovery and/or recycling", C4 "Disposal".

Description of scenarios and additional technical information:

C1, De-construction, demolition

The de-construction and/or dismantling of glass wool ceiling panels take part during the renovation of the building or the demolition of the entire building. In our case, the environmental impact is assumed to be very small and can be neglected.

C2, Transport to waste processing

The model for transportation (see A4, Transportation to the building site) is applied.

C3, Waste processing for reuse, recovery and/or recycling;

The product is considered to be landfilled without reuse, recovery or recycling.

C4, Disposal;

The product is assumed to be 100% landfilled.

Parameter	Value/description
Collection process specified by type	1440 - 2410g of acoustic ceiling (collected with mixed construction waste)
Recovery system specified by type	No reuse, recycling or energy recovery
Disposal specified by type	1080 - 1960g of acoustic ceiling is landfilled
Assumptions for scenario development	Average truck trailer with a 24t payload, diesel consumption 38 litres for 100 km
(e.g. transportation)	200 km (distance to landfill)

Reuse/recovery/recycling potential, D

Description of scenarios and additional technical information:

Packaging waste from module A5 is reported in this module as recovered matter.

LCA results

LCA model, aggregation of data and environmental impact are calculated from the GABI SP40 software – mostly Ecoinvent 3.6 datasets and some Gabi datasets.

Raw materials and energy consumption, as well as transport distances have been taken directly from the manufacturing plant of Saint-Gobain Ecophon in 2019.

Summary of the LCA results are detailed in the tables below.

All results in the EPD are written in logarithmic base of ten. Reading example: $5.2E - 03 = 5.2*10^{-3} = 0,0052$.

MND (module not declared), is equal to MNA (module not assessed).

Modules declared, geographical scope, and share of specific data (in GWP indicator) are stated in the following table. For stages A1-A3 (largest contribution to total GWP), the raw materials are modelled with very low amount of generic data – over 90% of the GWP comes from specific data.

	Proc	luct p	hase	Constr pro	cess			U	se pl	ıase			End of life phase				Reso urce recov ery phase
	Raw material and supply	Transport to the manufacturer	Manufacturing	Transport to the building site	Installation in the building	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport to waste processing	Waste processing	Disposal	Reuse-Recovery-Recycling- potential
Module	A1	A2	А3	A4	A5	В1	В2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D
Modules declared	Х	Х	Х	Х	Х	х	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	MND
Geography	SE, NL, FR, DK, PL, DE, FI, GB, EU, GLO	SE, NL, FR, DK, PL, DE, FI, GB, EU, GLO	SE, DK, PL, FI	GB, EU, GLO	EU, GLO								GB, EU, GLO	GB, EU, GLO	GB, EU, GLO	GB, EU, GLO	-
Specific data		> 90 %	,							-		•		•	•		-

Environmental impact.

Global Warming Potential (GWP) - kg CO ₂ equiv/FU	A1-A3	Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexifo
		2,14E+00	3,44E+00	3,71E+00	4,01E+00	3,69E+00	3,79E+00	3,12E+00	5,16E+00	4,28E+00	4,02E+00	4,19E+00	2,34E+00
	A4-A5	1,95E-01	2,94E-01	2,87E-01	3,05E-01	2,90E-01	2,77E-01	2,45E-01	4,45E-01	3,26E-01	3,07E-01	3,26E-01	2,63E-01
	B1-B7	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
	C1-C4	2,61E-01	3,64E-01	2,59E-01	3,10E-01	2,65E-01	2,54E-01	2,99E-01	3,10E-01	2,94E-01	3,27E-01	3,62E-01	5,24E-01
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	2,59E+00	4,10E+00	4,26E+00	4,62E+00	4,24E+00	4,32E+00	3,66E+00	5,92E+00	4,90E+00	4,66E+00	4,88E+00	3,13E+0
	A1-A3	2,09E-07	The global war	rming potential of a gas r	efers to the total contribution of the second secon	ation to global warming	resulting from the emiss	ion of one unit of that g	as relative to one unit of t	he reference gas, carbon 4,76E-07	dioxide, which is assign	ed a value of 1.	2,39E-07
	A4-A5	1,12E-08	2,06E-08	2,06E-08	2,31E-08	2,14E-08	2,00E-08	1,76E-08	2,95E-08	2,45E-08	2,29E-08	2,45E-08	1,81E-08
	B1-B7	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+0
	C1-C4	-2,44E-16	-2,62E-16	-1,38E-16	-2,12E-16	-1,47E-16	-1,75E-16	-2,40E-16	-8,29E-17	-1,62E-16	-2,33E-16	-2,56E-16	-6,06E-16
Ozone Depletion (ODP) kg CFC 11	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
equiv/FU	Total A-C	2,20E-07	4,02E-07	4,19E-07	4,73E-07	4,26E-07	4,06E-07	3,56E-07	6,06E-07	5,01E-07	4,66E-07	5,02E-07	2,57E-07
A cidification potential (AP) kg SO $_2$ equiv/FU	B1-B7 C1-C4 D Total A-C	0,00E+00 1,74E-04 NDA 1,15E-02	0,00E+00 3,05E-04 NDA 2,26E-02	0,00E+00 2,55E-04 NDA 2,07E-02	0,00E+00 2,69E-04 NDA 2,28E-02	0,00E+00 2,57E-04 NDA 2,20E-02	0,00E+00 2,18E-04 NDA 2,08E-02	0,00E+00 2,31E-04 NDA 1,77E-02	0,00E+00 3,73E-04 NDA 2,93E-02	0,00E+00 2,86E-04 NDA 2,41E-02	0,00E+00 2,75E-04 NDA 2,27E-02	0,00E+00 3,06E-04 NDA 2,49E-02	0,00E+0 2,54E-0s NDA 1,34E-02
	A1-A3 A4-A5 B1-B7	3,44E-03 2,89E-04 0.00E+00	5,85E-03 4,52E-04 0,00E+00	5,69E-03 4,14E-04 0,00E+00	6,04E-03 4,36E-04 0.00E+00	5,86E-03 4,30E-04 0.00E+00	5,78E-03 4,02E-04 0.00E+00	4,85E-03 3,58E-04 0.00E+00	7,75E-03 6,25E-04 0,00E+00	6,40E-03 4,62E-04 0.00E+00	6,03E-03 4,37E-04 0.00E+00	6,63E-03 4,79E-04 0.00E+00	3,79E-0 4,04E-0 0.00E+0
	C1-C4	3.32E-04	4.51E-04	3,14E-04	3.82E-04	3.22E-04	3.13E-04	3.74E-04	3,64E-04	3.57E-04	4.04E-04	4.47E-04	6.84E-04
Eutrophication potential (EP) kg	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	4,06E-03	6,76E-03	6,42E-03	6,86E-03	6,62E-03	6,50E-03	5,59E-03	8,73E-03	7,22E-03	6,87E-03	7,56E-03	4,88E-0
	A1-A3	1,22E-03	2,04E-03	2,19E-03	Excessive	enrichment of waters as 2,16E-03	nd continental surfaces v	rith nutrients, and the as	sociated adverse biologic	al effects.	2,36E-03	2,57E-03	1,51E-0
	A4-A5	9,60E-05	1,50E-04	1,45E-04	1,54E-04	1,48E-04	1,47E-04	1,26E-04	2,13E-04	1,81E-04	1,54E-04	1,67E-04	1,41E-0
	B1-B7	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+0
5	C1-C4	8,09E-05	1,11E-04	7,81E-05	9,45E-05	8,02E-05	7,74E-05	9,18E-05	9,22E-05	8,89E-05	9,97E-05	1,10E-04	1,65E-0
3	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
Photochemical ozone creation	-	1,40E-03	2.30E-03	2.41E-03	2.63E-03	2.39E-03	2,52E-03	2.08E-03	3.40E-03	3,15E-03	2,62E-03	2,85E-03	1,82E-0
(DODO) In Palance and JUST	Total A-C		2,002.00		2,002.00		2,32E-03	2,0022.00	0,102 00				
(DODG) In Education (CI)	Total A-C	2000 04	Ch		about by the light energ		on of nitrogen oxides wit	h hydrocarbons in the p	resence of sunlight to for				2 5 1 10 0
(DODO) In Palance and (PH)	Total A-C	2,88E-06	Ch 6,05E-06	5,79E-06	about by the light energ	5,68E-06	on of nitrogen oxides wit	h hy drocarbons in the p	resence of sunlight to for 8,03E-06	6,82E-06	5,99E-06	7,37E-06	
(POPC) kg Ethene equiv/FU Abiotic depletion potential for non-	Total A-C A1-A3 A4-A5	1,67E-07	Ch 6,05E-06 3,30E-07	5,79E-06 3,14E-07	about by the light energed 6,00E-06 3,23E-07	5,68E-06 3,10E-07	6,18E-06 3,32E-07	4,97E-06 2,72E-07	resence of sunlight to for 8,03E-06 4,25E-07	6,82E-06 3,65E-07	5,99E-06 3,24E-07	7,37E-06 3,92E-07	4,08E-0
(POPC) kg Ethene equiv/FU Abiotic depletion potential for non- fossil resources (ADP-elements) - kg	Total A-C	1,67E-07 0,00E+00	Ch 6,05E-06	5,79E-06 3,14E-07 0,00E+00	6,00E-06 3,23E-07 0,00E+00	5,68E-06 3,10E-07 0,00E+00	6,18E-06 3,32E-07 0,00E+00	4,97E-06 2,72E-07 0,00E+00	8,03E-06 4,25E-07 0,00E+00	6,82E-06	5,99E-06 3,24E-07 0,00E+00	7,37E-06 3,92E-07 0,00E+00	4,08E-0 0,00E+0
(POPC) kg Ethene equiv/FU Abiotic depletion potential for non-	A1-A3 A4-A5 B1-B7	1,67E-07	6,05E-06 3,30E-07 0,00E+00	5,79E-06 3,14E-07	about by the light energed 6,00E-06 3,23E-07	5,68E-06 3,10E-07	6,18E-06 3,32E-07	4,97E-06 2,72E-07	resence of sunlight to for 8,03E-06 4,25E-07	6,82E-06 3,65E-07 0,00E+00	5,99E-06 3,24E-07	7,37E-06 3,92E-07	4,08E-0 0,00E+0 -2,92E-0
(POPC) kg Bhene equivFU Abiotic depletion potential for non- fossil resources (ADP-dements) - kg Sb equivFU	A1-A3 A4-A5 B1-B7 C1-C4	1,67E-07 0,00E+00 -4,49E-10	6.05E-06 3.30E-07 0.00E+00 6.91E-10	5,79E-06 3,14E-07 0,00E+00 1,32E-09	about by the light energy 6,00E-06 3,23E-07 0,00E+00 7,92E-10	5,68E-06 3,10E-07 0,00E+00 1,25E-09	6.18E-06 3.32E-07 0.00E+00 6.15E-10	4.97E-06 2.72E-07 0.00E+00 1.50E-10	8.03E-06 4.25E-07 0.00E+00 2.99E-09	6,82E-06 3,65E-07 0,00E+00 1,41E-09	5,99E-06 3,24E-07 0,00E+00 6,71E-10	7,37E-06 3,92E-07 0,00E+00 7,64E-10	3,51E-0 4,08E-0 0,00E+0 -2,92E-0 NDA 3,91E-0
(POPC) kg Ethene equivFU Abiotic depletion potential for non- fosall resources (ADP-elements) - kg Sb equivFU	A1-A3 A4-A5 B1-B7 C1-C4 D	1,67E-07 0,00E+00 -4,49E-10 NDA	6,05E-06 3,30E-07 0,00E+00 6,91E-10 NDA	5,79E-06 3,14E-07 0,00E+00 1,32E-09 NDA	about by the light energy 6,00E-06 3,23E-07 0,00E+00 7,92E-10 NDA	5,68E-06 3,10E-07 0,00E+00 1,25E-09 NDA	6.18E-06 3.32E-07 0.00E+00 6.15E-10 NDA	4,97E-06 2,72E-07 0,00E+00 1,50E-10 NDA	8,03E-06 4,25E-07 0,00E+00 2,99E-09 NDA	6,82E-06 3,65E-07 0,00E+00 1,41E-09 NDA	5,99E-06 3,24E-07 0,00E+00 6,71E-10 NDA	7,37E-06 3,92E-07 0,00E+00 7,64E-10 NDA	4,08E-0 0,00E+0 -2,92E-0 NDA 3,91E-0
(POPC) kg Ethene equivFU Abiotic depletion potential for non- fosall resources (ADP-elements) - kg Sb equivFU	A1-A3 A4-A5 B1-B7 C1-C4 D	1,67E-07 0,00E+00 -4,49E-10 NDA 3,05E-06	6,05E-06 3,30E-07 0,00E+00 6,91E-10 NDA 6,38E-06	5,79E-06 3,14E-07 0,00E+00 1,32E-09 NDA 6,10E-06	6,00E-06 3,23E-07 0,00E+00 7,92E-10 NDA 6,32E-06	5,68E-06 3,10E-07 0,00E+00 1,25E-09 NDA 5,99E-06	6,18E-06 3,32E-07 0,00E+00 6,15E-10 NDA 6,51E-06	4,97E-06 2,72E-07 0,00E+00 1,50E-10 NDA 5,24E-06	8,03E-06 4,25E-07 0,00E+00 2,99E-09 NDA 8,46E-06	6,82E-06 3,65E-07 0,00E+00 1,41E-09 NDA 7,18E-06	5,99E-06 3,24E-07 0,00E+00 6,71E-10 NDA 6,32E-06	7,37E-06 3,92E-07 0,00E+00 7,64E-10 NDA 7,76E-06	4,08E-0 0,00E+0 -2,92E-0 NDA 3,91E-0 3,44E+0
(POPC) kg Bihene equivFU Abiotic depletion potential for non- fossil resources (ADP-dements) - kg Sb equivFU	A1-A3 A4-A5 B1-B7 C1-C4 D Total A-C A1-A3	1,67E-07 0,00E+00 -4,49E-10 NDA 3,05E-06 2,90E+01	6,05E-06 3,30E-07 0,00E+00 6,91E-10 NDA 6,38E-06 5,32E+01	5,79E-06 3,14E-07 0,00E+00 1,32E-09 NDA 6,10E-06 5,56E+01	about by the light energy 6,00E-06 3,23E-07 0,00E+00 7,92E-10 NDA 6,32E-06 6,12E+01	5,68E-06 3,10E-07 0,00E+00 1,2SE-09 NDA 5,99E-06 5,55E+01	6.18E-06 3.32E-07 0.00E+00 6.15E-10 NDA 6.51E-06 5.59E+01	4,97E-06 2,72E-07 0,00E+00 1,50E-10 NDA 5,24E-06 4,73E+01	8,03E-06 4.25E-07 0,00E+00 2,99E-09 NDA 8,46E-06 7,97E+01	6,82E-06 3,65E-07 0,00E+00 1,41E-09 NDA 7,18E-06 6,79E+01	5,99E-06 3,24E-07 0,00E+00 6,71E-10 NDA 6,32E-06 6,03E+01	7,37E-06 3,92E-07 0,00E+00 7,64E-10 NDA 7,76E-06 6,64E+01	4,08E-0 0,00E+0 -2,92E-0 NDA
(POPC) kg Ethene equivFU Abiotic depletion potential for non- fossil resources (ADP-elements) - kg So equivFU Abiotic depletion potential for fossil	A1-A3 A4-A5 B1-B7 C1-C4 D Total A-C A1-A3 A4-A5	1,67E-07 0,00E+00 -4,49E-10 NDA 3,05E-06 2,90E+01 1,74E+00	6,05E-06 3,30E-07 0,00E+00 6,91E-10 NDA 6,38E-06 5,32E+01 3,16E+00	5,79E-06 3,14E-07 0,00E+00 1,32E-09 NDA 6,10E-06 5,56E+01 3,15E+00	about by the light energy 6,00E-06 3,23E-07 0,00E+00 7,92E-10 NDA 6,32E-06 6,12E+01 3,44E+00	5,68E-06 3,10E-07 0,00E+00 1,25E-09 NDA 5,99E-06 5,55E+01 3,19E+00	6.18E-06 3.32E-07 0.00E+00 6.15E-10 NDA 6.51E-06 3.12E+00	4,97E-06 2,72E-07 0,00E-00 1,50E-10 NDA 5,24E-06 4,73E-01 2,70E+00	8,03E-06 4,25E-07 0,00E+00 2,99E-09 NDA 8,46E-06 7,97E-01 4,50E+00	6,82E-06 3,65E-07 0,00E+00 1,41E-09 NDA 7,18E-06 6,79E+01 3,79E+00	5,99E-06 3,24E-07 0,00E+00 6,71E-10 NDA 6,32E-06 6,03E+01 3,39E+00	7,37E-06 3,92E-07 0,00E+00 7,64E-10 NDA 7,76E-06 6,64E+01 3,73E+00	4,08E-0 0,00E+0 -2,92E-0 NDA 3,91E-0 3,44E+0 2,90E+0 0,00E+0
(POPC) kg Eithene eqpivFU Abiotic depletion potential for non- fossil resources (ADP-elements) - kg So equivFU Abiotic depletion potential for fossil resources (ADP-fossil faels)	Al-A3 A4-A5 Bl-B7 Cl-C4 D Total A-C Al-A3 A4-A5 Bl-B7	1,67E-07 0,00E+00 -4,49E-10 NDA 3,05E-06 2,90E+01 1,74E+00 0,00E+00	6,05E-06 3,30E-07 0,00E+00 6,91E-10 NDA 6,38E-06 5,32E+01 3,16E+00 0,00E+00	5,79E-06 3,14E-07 0,00E+00 1,32E-09 NDA 6,10E-06 5,56E+01 3,15E+00 0,00E+00	6.00E-06 3.23E-07 0.00E+00 7,92E-10 NDA 6.32E-06 6.12E+01 3.44E+00 0.00E+00	5,68E-06 3,10E-07 0,00E+00 1,25E-09 NDA 5,99E-06 5,55E-01 3,19E+00 0,00E+00	6.18E-06 3.32E-07 0.006+00 6.15E-10 NDA 6.51E-06 5.59E+01 3.12E-00 0.00E+00	4,97E-06 2,72E-07 0,000E-00 1,50E-10 NDA 5,24E-06 4,73E+01 2,70E-00 0,00E+00	8.03E-06 4.25E-07 0.00E+00 NDA 8.46E-06 7.97E+01 4.50E+00 0.00E+00	6,82E-06 3,65E-07 0,00E+00 1,41E-09 NDA 7,18E-06 6,79E+01 3,79E+00 0,00E+00	5,99E-06 3,24E-07 0,00E+00 6,71E-10 NDA 6,32E-06 6,03E-01 3,39E+00 0,00E+00	7,37E-06 3,92E-07 0,00E+00 7,64E-10 NDA 7,76E-06 6,64E-01 3,73E+00 0,00E+00	4,08E-0 0,00E+C -2,92E-C NDA 3,91E-0 3,44E+C 2,90E+C

Resource use

Use of renewable primary energy server raw materials Use of non-renewal energy used as raw materials - 1 Use of non-renewal energy excluding primary energy as raw materials - 1 Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU	able primary energy wable primary energy d as raw materials - M.I						Environmental in							_
Use of renewable primary energy server raw materials Use of non-renewal energy used as raw materials - 1 Use of non-renewal energy excluding primary energy as raw materials - 1 Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU	wable primary energy		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexif
Use of renewable primary energy server raw materials Use of non-renewal energy used as raw materials - 1 Use of non-renewal energy excluding primary energy as raw materials - 1 Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU	wable primary energy	A1-A3	2,02E+01	3,08E+01	3,63E+01	4,28E+01	3,71E+01	3,34E+01	3,07E+01	5,32E+01	4,28E+01	4,19E+01	4,08E+01	2,08E+01
Total use of renewable pused as raw materials) - 1 Use of renewable pused as raw materials) - 1 Use of non-renewable primary energy enduring primary energy energ	d as raw materials - MJ	A4-A5	1,56E+00	2,47E+00	2,33E+00	2,66E+00	2,55E+00	2,18E+00	2,04E+00	3,15E+00	2,66E+00	2,62E+00	2,55E+00	2,34E+00
Use of renewable pused as raw material use of renewable pused as raw materials of the property resources of the property resources of the property resources of the property resources of the property raw materials. Use of non-renewable materials of non-renewable straw rule of non-renewable straw rule of non-renewable straw materials of the property resources (pand primary energy as raw materials) - 1. Use of non-renewable straw rule use of n		B1-B7	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
Use of non-renewal energy used as raw materials) -: Use of non-renewal energy excluding primary energy excluding primary energy as raw materials) -: Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy used as raw FU Use of non-renewal energy used as raw materials) -: Use of renewable sa raw full use of renewable sa raw full use of renewable sa full renewab		C1-C4	-4,68E-02	-3,97E-02	-1,23E-02	-2,98E-02	-1,44E-02	-2,51E-02	-4,07E-02	1,27E-02	-1,57E-02	-3,46E-02	-3,79E-02	-1,33E-01
Use of non-renewal energy used as raw materials) -: Use of non-renewal energy excluding primary energy excluding primary energy as raw materials) -: Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy used as raw FU Use of non-renewal energy used as raw materials) -: Use of renewable sa raw full use of renewable sa raw full use of renewable sa full renewab		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
Use of non-renewal energy used as raw materials) -: Use of non-renewal energy excluding primary energy excluding primary energy as raw materials) -: Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy used as raw FU Use of non-renewal energy used as raw materials) -: Use of renewable sa raw full use of renewable sa raw full use of renewable sa full renewab		Total A-C	2,17E+01	3,32E+01	3,87E+01	4,55E+01	3,96E+01	3,56E+01	3,27E+01	5,64E+01	4,55E+01	4,45E+01	4,33E+01	2,31E+0
Use of non-renewal energy used as raw materials) -: Use of non-renewal energy excluding primary energy excluding primary energy as raw materials) -: Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy used as raw FU Use of non-renewal energy used as raw materials) -: Use of renewable sa raw full use of renewable sa raw full use of renewable sa full renewab		A1-A3	2,07E-01	4,41E-01	4,22E-01	5,06E-01	4,32E-01	4,04E-01	3,74E-01	6,74E-01	6,36E-01	4,90E-01	5,92E-01	2,37E-01
Use of non-renewal energy used as raw materials) -: Use of non-renewal energy excluding primary energy excluding primary energy as raw materials) -: Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy used as raw FU Use of non-renewal energy used as raw materials) -: Use of renewable sa raw full use of renewable sa raw full use of renewable sa full renewab	able primary energy	A4-A5 B1-B7	1,03E-02 0.00E+00	2,21E-02 0,00E+00	2,11E-02 0,00E+00	2,52E-02 0.00E+00	2,16E-02 0.00E+00	2,02E-02 0.00E+00	1,87E-02 0.00E+00	3,37E-02 0.00E+00	3,18E-02 0.00E+00	2,45E-02 0.00E+00	2,96E-02 0.00E+00	1,19E-02 0.00E+0
energy resources (p and primary energy as raw materials) - ! Use of non-rene energy excluding primary energy raw material Use of non-renewal energy used as raw PU Total use of non-renewal energy used as raw PU Use of renewable s MJ/PU		B1-B7 C1-C4	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	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+0
energy resources (p and primary energy as raw materials) - ! Use of non-rene energy excluding primary energy raw material Use of non-renewal energy used as raw PU Total use of non-renewal energy used as raw PU Use of renewable s MJ/PU			0,0000.00	.,	0,0000.00		0,0000	0,002-00	0,0020.00	-,	3,002.00	0,0020.00	0,0020.00	0,000.00
energy resources (p and primary energy as raw materials) - ! Use of non-rene energy excluding primary energy raw material Use of non-renewal energy used as raw PU Total use of non-renewal energy used as raw PU Use of renewable s MJ/PU		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA g cop or	NDA	NDA	NDA	NDA
energy resources (p and primary energy as raw materials) - ! Use of non-rene energy excluding primary energy raw material Use of non-renewal energy used as raw PU Total use of non-renewal energy used as raw PU Use of renewable s MJ/PU		Total A-C A1–A3	2,17E-01 2.04E+01	4,63E-01 3,12E+01	4,43E-01 3.68E+01	5,31E-01 4,33E+01	4,54E-01 3.75E+01	4,24E-01 3,38E+01	3,93E-01 3,10E+01	7,08E-01 5,39E+01	6,68E-01 4,35E+01	5,15E-01 4,24E+01	6,22E-01 4,13E+01	2,49E-0 2.11E+0
energy resources (p and primary energy as raw materials) - ! Use of non-rene energy excluding primary energy raw material Use of non-renewal energy used as raw PU Total use of non-renewal energy used as raw PU Use of renewable s MJ/PU		A1-A3 A4-A5	2,04E+01 1,57E+00	3,12E+01 2,49E+00	3,68E+01 2,36E+00	4,33E+01 2,69E+00	3,75E+01 2,58E+00	3,38E+01 2,20E+00	3,10E+01 2,06E+00	5,39E+01 3,18E+00	4,35E+01 2,69E+00	4,24E+01 2,64E+00	4,13E+01 2,58E+00	2,11E+0 2,36E+0
use of non-renewal energy excluding primary energy revoluting primary energy raw materials. Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw FU Use of non-renewal energy resources (p and primary energy as raw materials) - 1 Use of renewable se MJ/FU Use of renewable se MJ/FU		A4-A5 B1-B7	0.00E+00		2,36E+00 0.00E+00									
Use of non-renewal energy excluding primary energy is raw material. Use of non-renewal energy used as raw FU Total use of non-renewal energy used as raw and primary energy as raw materials) -! Use of second Kg //	nergy resources used	C1-C4	-4,68E-02	0,00E+00 -3,97E-02	-1,23E-02	0,00E+00 -2,98E-02	0,00E+00 -1,44E-02	0,00E+00 -2,51E-02	0,00E+00 -4,07E-02	0,00E+00 1,27E-02	0,00E+00 -1,57E-02	0,00E+00 -3,46E-02	0,00E+00 -3,79E-02	0,00E+0
Total use of non-renewal energy eschaling the material use of non-renewal energy used as raw PU Total use of non-renewal energy resources (p and primary onesgy resources) as raw materials) -: Use of second Kg/	als) - MJ/FU										-			
Total use of non-renewal energy eschaling the material use of non-renewal energy used as raw PU Total use of non-renewal energy resources (p and primary onesgy resources) as raw materials) -: Use of second Kg/		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
Total use of non-renewal energy eschaling the material use of non-renewal energy used as raw PU Total use of non-renewal energy resources (p and primary onesgy resources) as raw materials) -: Use of second Kg/		Total A-C	2,19E+01	3,37E+01	3,91E+01	4,60E+01	4,00E+01	3,60E+01	3,31E+01	5,71E+01	4,61E+01	4,50E+01	4,39E+01	2,33E+
Use of renewable so MJ/FU			Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flex
Use of renewable so MJ/FU		A1-A3	2,79E+01	5,34E+01	5,59E+01	6,16E+01	5,58E+01	5,57E+01	4,72E+01	8,12E+01	6,83E+01	6,01E+01	7,04E+01	3,37E+
Use of renewable so MJ/FU	n-renewable primary	A4-A5	1,69E+00	3,16E+00	3,16E+00	3,45E+00	3,20E+00	3,11E+00	2,69E+00	4,54E+00	3,80E+00	3,38E+00	3,92E+00	3,03E+
Traw material Use of non-renewal energy used as raw FU Total use of non-re- energy resources (p and primary energy resources (p and primary energy resources) as raw materials) = 1 Use of second Kg/	uding non-renewable	B1-B7	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+
Use of non-renewal energy used as raw FU Total use of non-energy resources (p and primary energy as raw materials) -! Use of second Kg / Use of renewable se MJ / FU	rgy resources used as	C1-C4	4,39E-01	8,03E-01	6,92E-01	7,14E-01	6,94E-01	5,80E-01	5,99E-01	1,04E+00	7,73E-01	7,29E-01	8,09E-01	5,86E-
Contract use of non-energy resources (p and primary energy as raw materials) - I Use of second Kg / Use of renewable se MJ/FU	nterials - MJ/FU	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
energy used as raw FU Total use of non- energy resources (p and primary energy as raw materials) - 1 Use of second Kg/ Use of renewable se M1/FU		Total A-C	3,00E+01	5,74E+01	5,98E+01	6,58E+01	5,97E+01	5,93E+01	5,04E+01	8,68E+01	7,28E+01	6,42E+01	7,52E+01	3,73E+
energy used as raw FU Total use of non- energy resources (p and primary energy as raw materials) - 1 Use of second Kg/ Use of renewable se M1/FU		A1-A3	1,05E+00	2,52E+00	2,10E+00	2,51E+00	2,26E+00	2,01E+00	1,86E+00	3,35E+00	3,16E+00	2,44E+00	2,94E+00	1,18E+
FU Total use of non-re- energy resources (p. and primary energy as as raw materials) - i Use of second Kg/	newable primary	A4-A5	5,33E-02	1,38E-01	1,05E-01	1,25E-01	1,18E-01	1,00E-01	9,30E-02	1,68E-01	1,58E-01	1,22E-01	1,47E-01	5,90E-
energy resources (p and primary energy as raw materials) - ! Use of second Kg / Use of renewable si MJ /FU	energy used as raw materials - MJ / FU	B1-B7	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+
energy resources (p and primary energy as raw materials) - ! Use of second Kg / Use of renewable si MJ /FU		C1-C4	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+
energy resources (p and primary energy as raw materials) - ! Use of second Kg / Use of renewable si		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
energy resources (p and primary energy as raw materials) - ! Use of second Kg / Use of renewable si MJ /FU		Total A-C	1,10E+00	2,66E+00	2,21E+00	2,64E+00	2,38E+00	2,11E+00	1,95E+00	3,52E+00	3,32E+00	2,56E+00	3,09E+00	1,24E+
energy resources (p and primary energy as raw materials) - ! Use of second Kg / Use of renewable si MJ /FU		A1-A3	2,89E+01	5,59E+01	5,80E+01	6,41E+01	5,81E+01	5,77E+01	4,90E+01	8,46E+01	7,14E+01	6,25E+01	7,34E+01	3,49E+
and primary energy as raw materials) -! Use of second Kg / Use of renewable se MJ / FU		A4-A5	1,74E+00	3,30E+00	3,26E+00	3,57E+00	3,32E+00	3,21E+00	2,78E+00	4,71E+00	3,96E+00	3,50E+00	4,07E+00	3,09E+
Use of second Kg/	ces (primary energy merov resources used	B1-B7	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+
Kg/ Use of renewable so MJ/FU	als) - MJ/FU	C1-C4	4,39E-01	8,03E-01	6,92E-01	7,14E-01	6,94E-01	5,80E-01	5,99E-01	1,04E+00	7,73E-01	7,29E-01	8,09E-01	5,86E-
Kg / Use of renewable so		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
Kg/ Use of renewable so MJ/FU		Total A-C	3,11E+01	6,00E+01	6,20E+01	6,84E+01	6,21E+01	6,15E+01	5,24E+01	9,03E+01	7,62E+01	6,68E+01	7,82E+01	3,86E+
Kg / Use of renewable so			Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Fle:
Kg/ Use of renewable so MJ/FU		A1-A3	8,54E-01	1,31E+00	1,62E+00	1,94E+00	1,65E+00	1,44E+00	1,34E+00	2,41E+00	1,88E+00	1,88E+00	1,75E+00	8,73E-
Kg/ Use of renewable so MJ/FU		A1-A3 A4-A5	4,49E-02	8,94E-02	8,10E-02	9,70E-02	9,41E-02	7,22E-02	6,69E-02	1,21E-01	9,41E-02	9,39E-02	8,77E-02	4,36E-
Use of renewable st	econdary material	B1-B7	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+
MJ/FU	Kg/FU	C1-C4	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	0,00E+00 0.00E+00	0.00E+00	0.00E-
MJ/FU		D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	ND.
MJ/FU		Total A-C	8,99E-01	1,40E+00	1,70E+00	2,04E+00	1,74E+00	1,51E+00	1,41E+00	2,53E+00	1,97E+00	1,98E+00	1,84E+00	9,17E
MJ/FU		Total A-C												
MJ/FU			Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Fle
MJ/FU		A1-A3	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
		A4-A5	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-
- Unafara assessing	able secondary fuels	B1-B7	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+
. Horafore account	able secondary fuels	C1-C4	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-
Vice of our manual	able secondary fuels	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	ND
The of the second	able secondary fuels	Total A-C	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
The of the second	able secondary fuels		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Fle
XI	able secondary fuels		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
	able secondary fuels	A1-A3	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
fuels - MJ / FU	newable secondary	A1-A3 A4-A5	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
	newable secondary		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-
	newable secondary	A4-A5		NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	ND.
	newable secondary	A4-A5 B1-B7	NDA		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
	newable secondary	A4-A5 B1-B7 C1-C4	NDA 0,00E+00	0,00E+00		Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Fle
	newable secondary	A4-A5 B1-B7 C1-C4 D	0,00E+00		Forme C		rocas ng		5 92F-02					
Use of net fresh wa	newable secondary	A4-A5 B1-B7 C1-C4 D Total A-C	0,00E+00 Focus A	Focus B	Focus C					1.02E-01	8,37E-02	7,74E-02	8,16E-02	3,98E
m ³ / FU	newable secondary U	A4-A5 B1-B7 C1-C4 D Total A-C	0,00E+00 Focus A 3,71E-02	Focus B 6,83E-02	7,02E-02	7,89E-02	7,19E-02	6,85E-02	.,,					
	newable secondary U	A4-A5 B1-B7 C1-C4 D Total A-C A1-A3 A4-A5	0,00E+00 Focus A 3,71E-02 2,01E-03	Focus B 6,83E-02 3,67E-03	7,02E-02 3,66E-03	7,89E-02 4,09E-03	3,79E-03	3,58E-03	3,11E-03	5,23E-03	4,32E-03	4,02E-03	4,22E-03	2,74E
	newable secondary U	A4-A5 B1-B7 C1-C4 D Total A-C A1-A3 A4-A5 B1-B7	0,00E+00 Focus A 3,71E-02 2,01E-03 0,00E+00	Focus B 6,83E-02 3,67E-03 0,00E+00	7,02E-02 3,66E-03 0,00E+00	7,89E-02 4,09E-03 0,00E+00	3,79E-03 0,00E+00	3,58E-03 0,00E+00	3,11E-03 0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E-
	newable secondary U	A4-A5 B1-B7 C1-C4 D Total A-C A1-A3 A4-A5	0,00E+00 Focus A 3,71E-02 2,01E-03	Focus B 6,83E-02 3,67E-03	7,02E-02 3,66E-03	7,89E-02 4,09E-03	3,79E-03	3,58E-03	3,11E-03		,		,	

Waste categories

						Environmental in	npacts						
Parameters		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexiform
	A1-A3	2,01E-08	3,10E-08	3,73E-08	4,43E-08	3,80E-08	3,40E-08	3,12E-08	5,51E-08	4,42E-08	4,33E-08	4,14E-08	2,07E-08
	A4-A5	1,63E-09	2,67E-09	2,43E-09	2,79E-09	2,72E-09	2,27E-09	2,13E-09	3,32E-09	2,78E-09	2,75E-09	2,64E-09	2,42E-09
Hazardous waste disposed kg/FU	B1-B7	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
	C1-C4	2,06E-11	4,47E-11	4,19E-11	4,06E-11	4,17E-11	3,29E-11	3,16E-11	6,74E-11	4,64E-11	4,07E-11	4,54E-11	1,68E-11
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	2,18E-08	3,37E-08	3,98E-08	4,71E-08	4,08E-08	3,63E-08	3,34E-08	5,85E-08	4,70E-08	4,61E-08	4,41E-08	2,31E-08
		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexiform
	A1-A3	4,87E-01	2,98E-01	4,32E-01	3,37E-01	3,75E-01	5,49E-01	3,05E-01	5,15E-01	4,50E-01	3,64E-01	3,91E-01	3,27E-01
Non-hazardous waste	A4-A5	1,20E-01	1,44E-01	1,36E-01	1,53E-01	1,47E-01	1,32E-01	1,17E-01	2,47E-01	1,57E-01	1,54E-01	1,52E-01	1,12E-01
disposed - kg/FU	B1-B7	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	C1-C4	1,50E+00	2,77E+00	2,41E+00	2,47E+00	2,41E+00	2,00E+00	2,06E+00	3,63E+00	2,69E+00	2,51E+00	2,79E+00	1,94E+00
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	2,11E+00	3,21E+00	2,98E+00	2,96E+00	2,93E+00	2,68E+00	2,48E+00	4,39E+00	3,30E+00	3,03E+00	3,33E+00	2,38E+00
		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexiform
	A1-A3	5,23E-05	8,13E-05	7,38E-05	9,10E-05	7,69E-05	7,45E-05	7,49E-05	9,12E-05	8,94E-05	9,86E-05	9,78E-05	5,39E-05
Radioactive waste disposed	A4-A5	-4,98E-06	-5,66E-06	-5,01E-06	-4,41E-06	-4,65E-06	-3,46E-06	-3,72E-06	-1,41E-05	-5,29E-06	-4,20E-06	-5,38E-06	-3,93E-06
kg/FU	B1-B7	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
_	C1-C4	-2,76E-05	-3,49E-05	-2,27E-05	-2,92E-05	-2,35E-05	-2,40E-05	-2,98E-05	-2,36E-05	-2,60E-05	-3,12E-05	-3,44E-05	-6,04E-05
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA

Output flow

						Environmental in	npacts						
Parameters		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexiforn
Components for re-use kg/FU	A1-A3	-	-	-	-	-	-	-	-	-	-	-	
	A4-A5	-	-	-	-	-	-	-	-	-	-	-	-
	B1-B7	-		-	-				-	-	-		
	C1-C4	-		-	-		-		-	-	-	-	-
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	-	-	-	-	-	-	-	-	-	-	-	-
Materials for recycling kg/FU		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexifor
	A1-A3	2,53E-02	4,14E-02	4,51E-02	5,35E-02	4,77E-02	4,14E-02	3,79E-02	6,60E-02	5,34E-02	5,26E-02	5,07E-02	2,56E-02
	A4-A5	1,13E-02	1,30E-02	1,36E-02	1,86E-02	1,71E-02	1,52E-02	1,35E-02	1,41E-02	1,59E-02	1,74E-02	1,39E-02	9,21E-03
	B1-B7	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
	C1-C4	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
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	3,66E-02	5,44E-02	5,87E-02	7,20E-02	6,48E-02	5,66E-02	5,14E-02	8,01E-02	6,93E-02	7,00E-02	6,46E-02	3,48E-02
Materials for energy reovery - kg/FU		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexifor
	A1-A3								-	-		-	
	A4-A5				-	-			-	-	-	-	-
	B1-B7	-	-	-	-	-	-	-	-	-	-	-	-
	C1-C4	-	-	-	-	-	-	-	-	-	-	-	-
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C	-	-	-	-	-	-	-	-	-	-	-	-
Exported energy MJ/FU		Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexifo
	A1-A3	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
	A4-A5	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
	B1-B7	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
	C1-C4	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
	D	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
	Total A-C												

Summary

	Focus A	Focus B	Focus C	Focus Ds	Focus Dg	Focus D/A	Focus E	Focus Ez	Focus F	Focus Lp	Focus SQ	Focus Flexiform
Global warming	2,59	4,10	4,26	4,62	4,24	4,32	3,66	5,92	4,90	4,66	4,88	3,13
Non-renewable resources consumption [1]	31	57	59	65,39	59,41	59,71	50,66	85,30	72,55	64,52	70,99	37,99
Energy consumption (2)	53	94	101	114,43	102,14	97,44	85,45	147,43	122,30	111,79	122,13	61,87
Water consumption [3]	0,04	0,07	0,07	0,08	0,08	0,07	0,06	0,11	0,09	0,08	0,09	0,04
Waste production [4]	2,11	3,21	2,98	2,96	2,93	2,68	2,48	4,39	3,30	3,03	3,33	2,38

^[1] This indicator corresponds to the obiotic depletion potential of fossil resources.

[2] This indicator corresponds to the total use of primary energy.

[3] This indicator corresponds to the use of net fresh water.

[4] This indicator corresponds to the sum of hazardous, non-hazardous and radioactive waste disposed.

Reference list

ISO 354:2003: Acoustics -- Measurement of sound absorption in a reverberation room

Finnish M1: Emission classification of building materials (M1 Classification): general instructions 12 November 2014

Eurofins Indoor Air Comfort: Eurofins Indoor Air Comfort GOLD and Indoor Air Comfort Version 7.0 May 2020

Reach: EU REACH Regulation (EC) No 1907/2006

LCA report: Project_report_on_Ecophon_LCA_2021-03-03

EN 15804:2012+A1:2013: Sustainability of construction works - Environmental product declarations -

Acoustical systems solutions (sub-oriented PCR; appendix to PCR 2012:01) - previously Acoustic ceilings.

PCR 2012:01 Construction products and construction services (version 2.32 dated 2020-07-01)

Difference from previous versions

New company logo and correction of page 3 product weights.

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