



THE GREEN YARDSTICK



ENVIRONMENTAL PRODUCT DECLARATION

In accordance with EN 15804 and ISO 14025

Eurolene®



 $\label{programme:PD} {\it Programme: The International EPD} {\it \textbf{\$} System, www.environdec.com}$

Programme operator: EPD International AB

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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-05195						
Owners declaration by	Saint-Gobain Eurocoustic Tour Saint-Gobain, 12 place de l'Iris 92400 Courbevoie France						
Declaration as construction products	The products to be verified herein are acoustic stone 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 EPE 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 product may not be comparable if they do not comply with EN 15804.						
Validity	26/11/2026						
Content of the declaration	This is an environmental product declaration containing environmental information of the product in the family Eurolene®. The values presented in this EPD are represented for the following products: Eurolene® 603, Eurolene® 604, Eurolene® 605, Eurolene® 607, Eurolene® 609 Supplemental product information can be found at www.eurocoustic.com						
Issued date	26/11/2021						

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Product description

Product description and description of use:

This Environmental Product Declaration (EPD) describes the environmental impact of 1 m² 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 the Eurocoustic production plants in France with a high-quality stone wool in different densities and thicknesses. The mineral 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 stone wool gives the material excellent sound energy absorption properties. Sound absorption is the main function of acoustic stone wool panels. The panels are also stable, and easy to handle and cut.

Acoustic stone 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 %)	Pre-consumer recycled content
Product thickness	45-160 mm	
Stone wool	100%	27%
Waterborne paint	0%	-
Glass tissue	0%	-
Waterborne glue	0%	-
Plastic wrapping	40-210 g	-

Total weights								
Product	Eurolene® 603	Eurolene® 604	Eurolene® 605	Eurolene® 607	Eurolene® 609			
Total weight [kg]	4.8	1.8	2.5	3.5	4.5			

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 13.07.2021).

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

Other environmental indicators

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

Certificate and Regulations

French VOC B

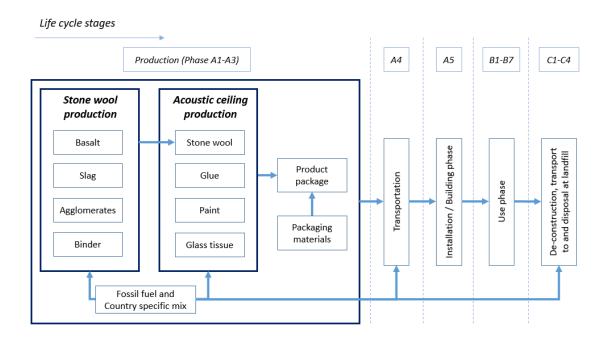
LCA calculation information

Declared unit	1 m² of acoustic celling panel.
Functional unit	1 m² 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
Cutoff 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





Building life time (B1-B7)

Product stage, A1-A3

Description of the stage:

The product stage of the stone 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 stone wool raw material supply covers production of binder components and sourcing (quarry) of raw materials for fiber production, e.g. basalt. Besides these raw materials, recycled materials (briquette and slag) are also used as input. Electricity is taken as country specific mix. Production of packaging materials is also covered.

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; stone wool production and stone wool panel production. The mineral wool panels are produced in a continuous online process starting with applying glass tissue on the stone 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.

A representative electricity mix for stone wool production in the country of origin was used. The finished product is produced in France.

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 31.7 litres for 100 km
Distance	645 km (based on transports in 2019)
Capacity utilisation (including empty returns)	90% of the capacity in volume 100% of empty returns
Bulk density of transported products (if available)	30 - 90 kg/m³
Volume capacity utilisation factor (if available)	0.45

The transport distance has been calculated from a European average transport for Eurocoustic in 2019 from the parameters in the 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,	Packaging waste is 100 % collected and modelled as material for recycling
for energy recovering, disposal	Ceiling panel losses are landfilled

A5:2 Energy usage

As a general figure the time to install 1 m^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, acoustic 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 dismantling of acoustic ceiling panels takes part during renovation or demolition of the building. In this 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	1800 - 4800 g of acoustic ceiling (collected with mixed construction waste)
Recovery system specified by type	No reuse, recycling or energy recovery
Disposal specified by type	1800 - 4800 g of acoustic ceiling will go to landfill
Assumptions for scenario development (e.g. transportation)	Average truck trailer with a 24t payload, diesel consumption 31.7 litres for 100 km 50 km (distance to landfill)

Reuse/recovery/recycling potential, D

Not declared.

LCA results

LCA model, aggregation of data and environmental impact are calculated through the GaBi Professional software. Secondary data is mainly taken from Ecoinvent 3.6 with some GaBi datasets.

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

Modules declared, geographical scope, share of specific data, and variation between sites (last two percentages given 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 94% of the GWP comes from specific data.

	Product phase				ruction s phase	Use phase			End of life phase				Resource recovery phase				
Module	Row material and supply	Transport to the manufacturer	∑ Manufacturing	Transport to the building site	Installation in the building	n Nse	Maintenance	2 Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport to waste processing	Waste processing	Disposal	□ Reuse-Recovery-Recycling-potential
Modules																	
declared	Х	Х	Χ	Х	Х	Х	Х	Х	Х	Х	Х	Х	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	FR	GB, EU, GLO	EU, GLO								GB, EU, GLO	GB, EU, GLO	GB, EU, GLO	GB, EU, GLO	-
Specific data		> 94%			A5 B1 B2 B3 B4 B5 B6 B7 C1 C2 C3 X X X X X X X X X X X X X X X X X X X									-			
Variation sites		One site								-							-

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: $5.2E \cdot 03 = 5.2 \cdot 10^3 = 0,0052$.

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

Environmental impact.

Parameters		Environ	mental impacts Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
	A1-A3	5.96E+00	2.31E+00	3.13E+00	4.32E+00	5.50E+00
	A4	2.66E-01	1.02E-01	1.38E-01	1.91E-01	2.43E-01
	A.5	4.67E-01	1.80E-01	2.44E-01	3.38E-01	4.29E-01
	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
(Con	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	C2 C3	1.94E-02 0.00E+00	7.33E-03	1.02E-02	1.42E-02	1.82E-02
	C4	8.25E-02	0.00E+00 3.80E-02	0.00E+00 4.84E-02	0.00E+00 6.32E-02	0.00E+00 7.81E-02
Global Warming Potential	D	MND	MND	MND	MND	MND
(GWP) - kg CO ₂ equiv/FU	Total A-C	6.79E+00	2.64E+00	3.57E+00	4.93E+00	6.27E+00
					e unit of the referen	ce gas, carbon
	A1-A3	1.97E-07	8.14E-08	1.07E-07	1.44E-07	1.81E-07
	A4 A5	6.06E-17	2.32E-17	3.15E-17	4.36E-17	5.54E-17
	B1-B7	9.83E-09 0.00E+00	4.07E-09 0.00E+00	5.34E-09 0.00E+00	7.21E-09 0.00E+00	9.02E-09 0.00E+00
≈	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	C2	4.42E-18	1.67E-18	2.31E-18	3.23E-18	4.15E-18
Orana Production (appl)	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ozone Depletion (ODP) kg CFC 11 equiv/FU	C4	3.76E-16	1.41E-16	1.96E-16	2.74E-16	3.52E-16
ci c i i equiv/ro	D Total A-C	MND 2.075.07	MND 9.55E.09	MND 1 125.07	MND 1.515.07	MND 1.90E-07
	Total A-C	2.07E-07	8.55E-08	1.12E-07	1.51E-07	1.90E-07
	A1-A3 A4	destruction of ozon (chlorofluorocarbon) 2.72E-02 3.60E-04	e is caused by the brea s or halogens), which b d 1.07E-02 1.38E-04	kdown of certain chlori reak down when they t lestroy ozone molecule 1.43E-02 1.87E-04	1.97E-02 2.59E-04	2.49E-02 3.29E-04
	A5	1.42E-03	5.58E-04	7.49E-04	1.03E-03	1.30E-03
	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
=	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
•	C2 C3	2.63E-05	9.92E-06	1.37E-05	1.92E-05	2.47E-05
Acidification potential (AP)	C3	0.00E+00 4.14E-04	0.00E+00 1.57E-04	0.00E+00 2.17E-04	0.00E+00 3.03E-04	0.00E+00 3.89E-04
kg SO ₂ equiv/FU	D	4.14E-04 MND	1.57E-04 MND	2.17E-04 MND	3.03E-04 MND	3.89E-04 MND
	Total AC	2.94E-02	1.16E-02	1.55E-02	2.14E-02	2.70E-02
•	A1-A3 A4 A5 B1-B7 C1	5.48E-03 7.61E-05 4.86E-04 0.00E+00 0.00E+00	3.05E-03 2.92E-05 2.34E-04 0.00E+00 0.00E+00	3.53E-03 3.95E-05 2.86E-04 0.00E+00 0.00E+00	4.29E-03 5.48E-05 3.66E-04 0.00E+00 0.00E+00	4.98E-03 6.96E-05 4.42E-04 0.00E+00 0.00E+00
			2.10E-06	2.90E-06	4.06E-06	5.21E-06
9	C2	5.56E-06				
Eutrophication potential	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eutrophication potential (EP) kg (PO ₄) ³ - equiv/FU	C3 C4	0.00E+00 6.20E-05	0.00E+00 3.29E-05	0.00E+00 3.97E-05	4.94E-05	5.91E-05
	C3	0.00E+00	0.00E+00	0.00E+00		
	C3 C4 D	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enrich	0.00E+00 3.29E-05 MND 3.34E-03 mment of waters and ad-	0.00E+00 3.97E-05 MND 3.89E-03 d continental surfaceverse biological effet	4.94E-05 MND 4.76E-03 as with nutrients, and acts. 4.37E-03	5.91E-05 MND 5.55E-03 d the associated 5.59E-03
	C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04	0.00E+00 3.29E-05 MND 3.34E-03 mment of waters and adv 2.30E-03 -4.13E-05	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface verse biological effet 3.15E-03 -5.59E-05	4.94E-05 MND 4.76E-03 es with nutrients, and ects. 4.37E-03 -7.74E-05	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05
	C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enrick 6.00E-03 -1.08E-04 3.43E-04	0.00E+00 3.29E-05 MND 3.34E-03 ament of waters and adv 2.30E-03 4.13E-05 1.31E-04	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface yerse biological effe 3.15E-03 -5.59E-05 1.80E-04	4.94E-05 MND 4.76E-03 as with nutrients, and acts. 4.37E-03 -7.74E-05 2.50E-04	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04
	C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00	0.00E+00 3.29E-05 MND 3.34E-03 mment of waters and adv 2.30E-03 4.13E-05 1.31E-04 0.00E+00	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface verse biological effe 3.15E-03 -5.59E-05 1.80E-04 0.00E+00	4.94E-05 MND 4.76E-03 as with nutrients, annects. 4.37E-03 -7.74E-05 2.50E-04 0.00E+00	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00
(EP) kg (PQ _d) ³ . equiv/FU	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00	0.00E+00 3.29E-05 MND 3.34E-03 mment of waters and adv 2.30E-03 -4.13E-04 0.00E+00 0.00E+00	0.00E+00 3.97E-05 MND 3.89E-03 d continental surfaceverse biological effe	4.94E-0.5 MND 4.76E-0.3 as with nutrients, and acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00
(EP) kg (PO _d) ³ . e quiv/FU Photochemical oxone	C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 0.00E+00 -7.86E-06	0.00E+00 3.29E.05 MND 3.34E.03 ment of waters and adv 2.30E.03 -4.13E.05 1.31E.04 0.00E+00 -0.00E+00 -2.97E.06	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface verse biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 -4.11E-06	4,94E-0.5 MND 4,76E-0.3 as with nutrients, an octs. 4,37E-0.3 -7.74E-0.5 2,50E-0.4 0.00E+0.0 0.00E+0.0	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00 -7.37E-06
(EP) kg (PQ _d) ³ . equiv/FU	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2	0.00E+00 6.20E-05 MNID 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 mment of waters are active and active ac	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface verse biological effe 3.15E-03 3.15E-03 1.80E-04 0.00E+00 4.11E-06 0.00E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, and octs. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0	5.59E-03 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00 0.00E+00 0.00E+00
(EP) kg (PQ _d) ² , equiv/FU Photochemical oxone creation (POPC) kg Ethene	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 0.00E+00 -7.86E-06	0.00E+00 3.29E.05 MND 3.34E.03 ment of waters and adv 2.30E.03 -4.13E.05 1.31E.04 0.00E+00 -0.00E+00 -2.97E.06	0.00E+00 3.97E-05 MND 3.89E-03 d continental surface verse biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 -4.11E-06	4,94E-0.5 MND 4,76E-0.3 as with nutrients, an octs. 4,37E-0.3 -7.74E-0.5 2,50E-0.4 0.00E+0.0 0.00E+0.0	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00 -7.37E-06
(EP) kg (PO _k) ³ . equiv/FU Photochemical ozone creation (POPC) kg Ethene	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4	0.00E+00 6.20E-05 MNID 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 0.00E+00 7.86E-06 0.00E+00 3.53E-05	0.00E+00 3.29E-05 MNID 3.34E-03 ment of waters and act 2.30E-03 4.13E-05 1.31E-04 0.00E+00 0.00E+00 1.55E-05	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surface verse biological effect 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 2.01E-05	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anotals. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5	5.91E-05 MND 5.55E-03 d the associated 5.59E-03 -9.84E-05 3.20E-04 0.00E+00 0.00E+00 0.00E+00 3.33E-05
(EP) kg (PO _k) ³ . equiv/FU Photochemical ozone creation (POPC) kg Ethene	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00 4.86E-05 MIND 6.26E-03 Chemical reaction with hydrocarbor	0.00E+00 3.29E-05 MINID 3.34E-03 amment of waters and odd 2.30E-03 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 2.40E-03 b brought about by sin the presence of	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of t sunlight to form oze reaction.	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 4.57E-0.5 MND 4.57E-0.3	5,91E-05 MND 5,55E-03 d the associated 5,59E-03 -9.84E-05 3,20E-04 0,00E+00 0,00E+00 0,00E+00 1,737E-06 0,00E+00 MND 5,84E-03 of nitrogen oxid
(EP) kg (PQ ₄) ³ , e quiv/FU Photochemical ozone creation (POPC) kg Sthene	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 ment of waters and adv 2.30E-03 4.13E-04 0.00E+00 0.00E+00 0.00E+00 1.55E-05 MNID 2.40E-03	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacererse biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 2.01E-05 MNID 3.29E-03 4.00E+00 3.19E-05 MNID 3.29E-03 4.00E+00 4.10E-05 MNID 3.29E-03 4.00E+00 4.00E+00 4.00E+00 4.00E+00 4.00E+00 4.00E+00 5.00E+00	4,94E-0.5 MND 4,76E-0.3 as with nutrients, and the second	5.91E.05 MIND 5.55E.03 4 the associated 5.59E.03 9.84E.05 3.20E.04 0.00E+00 0.00E+00 0.00E+00 1.37E.06 MIND 3.33E.05 MIND 5.64E.03 of nitrogen oxid
(EP) kg (PO _d) ² , equiv/FU Photochemical ozone creation (POPC) kg Ethene equiv/FU	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 MND 6.26E-03 Chemical reaction with hydrocarbor with hydrocarbor 4.70E-06 9.79E-09 2.34E-07	0.00E+00 3.29E-05 MINID 3.34E-03 amment of waters and adv 2.30E-03 4.13E-05 1.31E-04 0.00E+00 0.00E+00 1.55E-05 MINID 2.40E-03 s brought about by six in the presence of	0.00E+00 3.97E-05 MNID 3.89E-03 d confinental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of the sunlight to form ozo reaction. 2.67E-0.6 5.08E-09 1.33E-07	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anotals. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 4.57E-0.5 MND 4.57E-0.3 as un. The reaction nee is an example o	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 5.59E-0
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A3 A4 A5 B1-B7 B1-B7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.70E-06 4.70E-06 9.79E-09 2.34E-07 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 ament of waters and add 2.30E-03 4.13E-04 0.00E+00 0.00E+00 1.55E-05 MNID 2.40E-03 a brought about by as in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of t sunlight to form oze reaction. 2.67E-06 5.08E-09 0.00E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an orbits. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 4.57ZE-0.5 MND 4.57ZE-0.3 as sun. The reaction one is an example o	5.91E.05 MND 5.55E.03 4 the associated 5.59E.03 -9.84E.05 3.20E.04 0.00E+00 0.00E+00 0.00E+00 3.33E.05 MND 5.84E.03 of nitrogen oxid fa photochemic 4.34E.06 8.95E.09 2.16E.07 0.00E+00
Photochemical ozone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 Total AC	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 MIND 6.26E-03 Chemical reaction with hydrocarbor 4 7.70E-06 9.79E-09 2.34E-07 0.00E+00 0.00E+00	0.00E+00 3.29E-05 MINID 3.34E-03 ament of waters and odd 2.30E-03 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 1.55E-05 MINID 2.40E-03 s brought about by sin the presence of the properties of	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 4.11E-06 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of t sunlight to form ozo reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 0.00E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun, The reaction one is an example o 7.04E-0.9 1.75E-0.7 0.00E+0.0 0.00E+0.0	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 9.84E-05 3.20E-04 0.00E+00 0.00E+00 3.33E-05 MIND 5.84E-03 6 nitrogen oxic 4.34E-06 8.95E-09 2.16E-07 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-element) - kg St	C3 C4 D Total AC A1 - A3 A4 A5 B1 - B7 C1 C2 C3 C4 D Total AC A1 - A3 A4 A5 B1 - B7 C1 C1 C1 C2 C3 C4 C1 C1 C1 C2	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 7.86E-06 0.00E+00 4.70E-06 4.70E-06 9.79E-09 2.34E-07 0.00E+00 7.15E-10	0.00E+00 3.29E-05 MNID 3.34E-03 amment of waters and adv 2.30E-03 4.13E-05 1.31E-04 0.00E+00 0.00E+00 1.55E-05 MNID 2.40E-03 s brought about by s in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00 2.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of the sunlight to form ozereaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 3.74E-10	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 4.57E-0.3 me sun. The reaction ne is an example of 7.04E-0.9 1.75E-0.7 0.00E+0.0 0.00E+0.0 3.51E-0.6 7.04E-0.9 0.00E+0.0 5.22E-1.0	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 9.84E-05 3.20E-04 0.00E+00 0.00E+00 0.00E+00 1.33E-05 MIND 5.84E-03 of nitrogen oxic a photochemic 4.34E-06 8.95E-09 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Photochemical ozone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 C4 C5 C4 C5 C5 C5 C6 C7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.70E-06 9.79E-09 4.70E-06 9.79E-09 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 3.29E-05 MINID 3.34E-03 ament of waters and add 2.30E-03 4.13E-04 0.00E+00 0.00E+00 0.00E+00 1.55E-05 MINID 2.40E-03 s brought about by as in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00 0.00E+00 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfaceverse biological effect 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 0.01E-05 MNID 3.29E-03 the light energy of t sunlight to form ozc reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 0.00E+00 0.00E+00	4.94E-0.5 MND 4.76E-0.3 ss with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 se sun. The reaction nee is an example o	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 5.20E-04 0.00E+00
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-element) - kg St	C3 C4 D Total AC A1 - A3 A4 A5 B1 - B7 C1 C2 C3 C4 D Total AC A1 - A3 A4 A5 B1 - B7 C1 C1 C1 C2 C3 C4 C1 C1 C1 C2	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 MIND 6.26E-03 Chemical reaction with hydrocarbor with hydrocarbor 0.00E+00 -7.36E-07 0.00E+00 -7.36E-07 0.00E+00 0.00E+00 -7.36E-07 0.00E+00 0.00E+00 0.00E+00 0.00E+00 6.91E-09	0.00E+00 3.29E-05 MINID 3.34E-03 3.34E-03 2.30E-03 4.13E-05 1.31E-04 0.00E+00 2.97E-06 0.00E+00 2.97E-06 0.00E+00 2.40E-03 brought about by sin the presence of the properties	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 4.11E-06 0.00E+00 -2.01E-05 MNID 3.29E-03 sunlight to form oze reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 0.00E+00 3.74E-10 0.00E+00 3.60E-09	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+00 0.00E+00 2.67E-0.5 MND 4.57E-0.3 as sun, The reaction are is an example o 7.04E-0.9 1.75E-0.7 0.00E+0.0 0.00E+0.0 0.00E+0.0 0.00E+0.0 0.00E+0.0 0.00E+0.0 5.24E-1.0	5.91E-05 MIND 5.55E-03 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 5.79E-03 5.
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-element) - kg St	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A2 C1 C2 C3 C4 C1 C4 C4 C7 C1 C2 C3 C4 C1 C4 C7 C1 C2 C3 C4 C4 C1 C2 C3 C4 C4 C4 C4 C7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.70E-06 9.79E-09 4.70E-06 9.79E-09 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 3.29E-05 MINID 3.34E-03 ament of waters and add 2.30E-03 4.13E-04 0.00E+00 0.00E+00 0.00E+00 1.55E-05 MINID 2.40E-03 s brought about by as in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00 0.00E+00 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfaceverse biological effect 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 0.01E-05 MNID 3.29E-03 the light energy of t sunlight to form ozc reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 0.00E+00 0.00E+00	4.94E-0.5 MND 4.76E-0.3 ss with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 se sun. The reaction nee is an example o	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 6.00E+00 6.00E+00 6.00E+00 6.00E+00 6.00E+00 6.00E+00
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sh	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D C2 C3 C4 D C4 D C4 D C7 C1 C2 C3 C4 D C4 D C7 C1 C7 C7 C1 C7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.70E-06 9.79E-09 2.34E-07 0.00E+00 0.00E+00 0.00E+00 7.15E-10 0.00E+00	0.00E+00 3.29E-05 MIND 3.34E-03 Amment of waters and adv 2.30E-03 -4.13E-05 1.31E-04 0.00E+00 0.00E+00 0.00E+00 2.97E-06 MIND 2.40E-03 s brought about by s in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00 2.70E-10 0.00E+00 2.70E-10	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of f sunlight to form oze reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 3.74E-10 0.00E+00 3.60E-09 MNID	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun. The reaction nee is an example of the control of th	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 6.00E+00 6.00E+00 6.00E+00 6.00E+00 6.00E+00 6.00E+00
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sh	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC C1 C2 C3 C4 C3 C4 C3 C4 C1 C2 C3 C4 C4 C1 C2 C3 C4 C4 C1 C4 C4 C5 C4 C4 C5 C4 C5 C4 C5 C4 C5 C5 C4 C5 C5 C4 C5	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 0.00E+00 4.70E-06 9.79E-09 2.34E-07 0.00E+00 4.95E-06	0.00E+00 3.29E-05 MINID 3.34E-03 3.34E-03 3.34E-03 3.34E-03 3.34E-03 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 1.55E-05 MINID 2.10E-06 3.76E-09 1.05E-07 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfaceverse biological effective processing to the continental surfaceverse biological effective processing to the continental surfaceverse biological effective processing to the continental surfaceverse processing to the light energy of the continental surface processing to the continental surface processing to the continental surface processing the c	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anachts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun, The reaction is an example of the control	5.91E-05 MIND 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.55E-03 5.59E-03 5.59E-0
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sh	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC C4 C5 C7	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 MIND 6.26E-03 Chemical reaction with hydrocarbor dependence of the control of th	0.00E+00 3.29E-05 MINID 3.34E-03 3.34E-03 3.34E-03 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 -2.90E-00 0.00E+00 -2.90E-00 0.00E+00 -2.90E-00 0.00E+00 -2.90E-00 MINID -2.90E-00 MINID -2.90E-00	0.00E+00 3.97E-05 MNID 3.89E-03 d confinental surfacerese biological effectives biological effetives biological effectives biological effectives biological effetives biologic	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anacts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+00 0.00E+00 0.00E+00 2.67E-0.5 MND 4.57E-0.3 as sun. The reaction are is an example of the complete of	5.91E.05 MIND 5.55E.03 5.59E.03 -9.84E.05 3.20E.04 0.00E+00 0.00E+00 0.00E+00 3.33E.05 MIND 5.84E.03 6 photochemic 4.34E.06 8.95E.09 2.16E.07 0.00E+00 0.00E+00 6.48E.09 MIND 4.58E.06 3.36E+01 3.36E+01
Photochemical oxone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sh	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 Total AC A5 A6 A7 A7 A8 A7 A8 A8 A8 A8 A8 A9 A8 A9	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.70E-06 9.79E-09 2.34E-07 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 Amment of waters are active to the control of waters are active to the control of the control	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of f sunlight to form oze reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+00 0.00E+00 0.00E+00 2.67E-0.5 MND 4.57E-0.3 as sun. The reaction are sun. The reaction are sun. The reaction of the control of	5.91E.05 MIND 5.55E.03 5.55E.03 5.55E.03 5.55E.03 9.84E.05 3.20E.04 0.00E+00 0.00E+00 3.33E.05 MIND 5.84E.03 5.84E.03 6 nitrogen oxid 6 a photochemic 4.34E.06 8.95E.09 0.00E+00 0.00E+00 6.70E.10 0.00E+00 6.48E.09 MIND 4.58E.06 3.06E+01 3.35E+00 1.82E+00 1.82E+00
Photochemical ozone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sb equiv/FU	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 Total AC C1 Total AC C1 C2 C3 C4 D Total AC C1 C4 C2 C3 C4 D Total AC C1 C4 C7 C1 C4 C7 C1 C4 C7 C1 C4 C7 C7 C1 C4 C7	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 0.00E+00 4.70E-06 9.79E-09 2.34E-07 0.00E+00 -7.15E-10 0.00E+00 -7.15E-10 0.00E+00 3.38E+01 3.68E+00	0.00E+00 3.29E-05 MINID 3.34E-03 Ament of waters and odd 2.30E-03 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 2.40E-03 s brought about by sin the presence of the state of t	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 -4.11E-06 0.00E+00 -5.08E-09 1.33E-07 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-10 1.90E+00 1.90E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anactics. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun, The reaction is an example o 3.51E-0.6 7.04E-0.9 1.75E-0.7 0.00E+0.0 0.00E+0.0 0.00E+0.0 5.22E-1.0 0.00E+0.0 5.22E-1.0 0.00E+0.0 5.24E-0.0 1.45E+0.1	5.91E.05 MND 5.55E.03 5.59E.03 9.84E.05 3.20E.04 0.00E+00 0.00E+00 3.33E.05 MND 5.84E.03 of nitrogen oxid a photochemic 4.34E.06 8.95E.09 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.33E.05
Photochemical oxone creation (POPC) kg lithene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sb equiv/FU Abiotic depletion potential	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC C1 C2 C3 C4 D Total AC C1 C2 C3 C4 D D C4 D D C5 C4 D D C7 C6 C7	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enrick 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00	0.00E+00 3.29E-05 MINID 3.34E-03 3.34E-03 3.34E-03 2.30E-03 4.13E-05 1.31E-04 0.00E+00 2.97E-06 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.39E+01 1.40E+00 8.17E-01 0.00E+00 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 -4.11E-06 0.00E+00 -4.11E-06 0.00E+00 -5.08E-09 1.33E-07 0.00E+00 3.74E-10 0.00E+00 3.60E-09 MNID 3.60E-09 MNID 1.82E-101 1.90E+00 1.00E+00	4.94E-0.5 MND 4.76E-0.3 as with nutrients, anactics. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun. The reaction tens is an example of the control of the	5.91E-05 MIND 5.55E-03 5.6E-03 5.8E-03 6.00E+03 6.00E+03 6.00E+03 6.00E+03 6.30E-03 1.82E-03 1.82E-03 0.00E+03
Photochemical ozone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sb equiv/FU Abiotic depletion potential for fossil resources (ADP-	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A5 B1-B7 C1 Total AC C1 C2 C3 C4 D Total AC C1 C2 C3 C4 C5 C1 C2 C3 C4 C5 C1 C2 C3 C4 C5 C3 C4 C5 C5 C5 C6 C7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 -7.86E-06 0.00E+00 -7.96E-01 0.00E+00 -7.15E-10 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 Anneal of waters an adv 2.30E-03 4.13E-05 1.31E-04 0.00E+00 0.00E+00 1.55E-05 MNID 2.40E-03 3.5E-05 MNID 2.40E-03 2.70E-10 0.00E+00 2.70E-10 0.00E+00 2.70E-10 0.00E+00 1.39E+01 1.40E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of the sunlight to form exercion. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 3.74E-10 0.00E+00 1.77E+00 1.07E+00 0.00E+00 1.07E+00 0.00E+00 1.40E-01	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 3.57E-0.3 as sun. The reaction are is an example of the control of the co	5.91E.05 MIND 5.55E.03 5.55E.03 5.55E.03 9.84E.05 3.20E.04 0.00E+00 0.00E+00 3.33E.05 MIND 5.84E.03 of nitrogen oxid a photochemic 4.34E.06 8.95E.09 2.16E.07 0.00E+00 6.70E.11 0.00E+00 6.48E.09 MIND 3.35E+00 1.82E+00 0.00E+00
Photochemical oxone creation (POPC) kg lithene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sb equiv/FU Abiotic depletion potential	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC C1 C2 C3 C4 D Total AC C1 C2 C3 C4 D Total AC C1 C2 C3 C4 C4 C2 C3 C4 C4 C4 C5 C4 C6 C7	0.00E+00 6.20E-05 MIND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 3.43E-04 0.00E+00 -7.86E-06 0.00E+00 -7.86E-06 0.00E+00 4.70E-06 9.79E-09 2.34E-07 0.00E+00	0.00E+00 3.29E-05 MINID 3.34E-03 3.34E-03 3.34E-03 3.34E-03 4.13E-05 4.13E-05 4.13E-05 1.31E-04 0.00E+00 -2.97E-06 0.00E+00 1.55E-05 MINID 2.40E-03 ss brought about by ss in the presence of 2.10E-06 3.76E-09 1.05E-07 0.00E+00 0.00E+00 0.00E+00 1.39E+01 1.40E+00 8.17E-01 0.00E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effect 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of 1 sunlight to form ozo reaction. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 0.00E+00 3.60E-09 MNID 2.81E-06 1.82E+01 1.90E+00 1.07E+00 0.00E+00 0.00E+00 1.07E-00 0.00E+00 0.00E+00 1.40E-01 1.40E-01	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an orbits. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 2.67E-0.5 MND 4.57E-0.3 as sun. The reaction one is an example of the orbits. 3.51E-0.6 7.04E-0.9 1.75E-0.7 0.00E+0.0 0.00E+0.0 5.22E-1.0 0.00E+0.0 5.24E-0.9 MND 3.70E-0.6 2.45E-0.1 1.45E-0.0 0.00E+0.0 0.00E+0.0 1.95E-0.1 0.00E+0.0	5.91E.05 MIND 5.55E.03 5.55E.03 5.55E.03 5.55E.03 5.55E.03 5.55E.03 5.55E.03 6.65E.03 6.76E.10 6.00E+00 6.33.3E.05 MIND 6.76E.10 6.00E+00 6.00E+00 6.76E.10 6.00E+00 6.76E.10 6.00E+00 6.76E.10 6.00E+00 6.8E.09 MIND 4.58E.06 3.06E+01 3.35E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Photochemical ozone creation (POPC) kg Ethene equiv/FU Abiotic depletion potential for non-fossil resources (ADP-elements) - kg Sb equiv/FU Abiotic depletion potential for fossil resources (ADP-elements) - kg Sb	C3 C4 D Total AC A1-A3 A4 A5 B1-B7 C1 C2 C3 C4 D Total AC A5 B1-B7 C1 Total AC C1 C2 C3 C4 D Total AC C1 C2 C3 C4 C5 C1 C2 C3 C4 C5 C1 C2 C3 C4 C5 C3 C4 C5 C5 C5 C6 C7	0.00E+00 6.20E-05 MND 6.11E-03 Excessive enricl 6.00E-03 -1.08E-04 0.00E+00 0.00E+00 -7.86E-06 0.00E+00 -7.96E-01 0.00E+00 -7.15E-10 0.00E+00	0.00E+00 3.29E-05 MNID 3.34E-03 Anneal of waters an adv 2.30E-03 4.13E-05 1.31E-04 0.00E+00 0.00E+00 1.55E-05 MNID 2.40E-03 3.5E-05 MNID 2.40E-03 2.70E-10 0.00E+00 2.70E-10 0.00E+00 2.70E-10 0.00E+00 1.39E+01 1.40E+00	0.00E+00 3.97E-05 MNID 3.89E-03 d continental surfacerese biological effet 3.15E-03 -5.59E-05 1.80E-04 0.00E+00 0.00E+00 2.01E-05 MNID 3.29E-03 the light energy of the sunlight to form exercion. 2.67E-06 5.08E-09 1.33E-07 0.00E+00 3.74E-10 0.00E+00 1.77E+00 1.07E+00 0.00E+00 1.07E+00 0.00E+00 1.40E-01	4.94E-0.5 MND 4.76E-0.3 as with nutrients, an acts. 4.37E-0.3 -7.74E-0.5 2.50E-0.4 0.00E+0.0 0.00E+0.0 0.00E+0.0 3.57E-0.3 as sun. The reaction are is an example of the control of the co	5.91E.05 MIND 5.55E.03 5.55E.03 5.55E.03 9.84E.05 3.20E.04 0.00E+00 0.00E+00 3.33E.05 MIND 5.84E.03 of nitrogen oxid a photochemic 4.34E.06 8.95E.09 2.16E.07 0.00E+00 6.70E.11 0.00E+00 6.48E.09 MIND 3.35E+00 1.82E+00 0.00E+00

			Enviro	nmental impacts			
Paran	neters		Eurolene 603	Eurolene 604	Eurolene 605	Enrolene 607	Eurolene 609
		A1-A3 A4	7.99E+00	4.59E+00	5.30E+00	6.38E+00	7.40E+00
•	Use of renewable	A4 A5	8.91E-02 3.52E-01	3.42E-02 2.11E-01	4.63E-02 2.40E-01	6.41E-02 2.85E-01	8.15E-02 3.26E-01
6	primary energy	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	excluding renewable primary energy	C1 C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	resources used as raw materials	C3	6.51E-03 0.00E+00	2.46E-03 0.00E+00	3.40E-03 0.00E+00	4.75E-03 0.00E+00	6.10E-03 0.00E+00
	- MJ / FU	C4	1.30E-01	4.86E-02	6.75E-02	9.45E-02	1.22E-01
		D Total A-C	MND	MND	MND	MND	MND
		A1-A3	8.57E+00 1.68E+00	4.89E+00 1.68E+00	5.66E+00 1.68E+00	6.83E+00 1.68E+00	7.94E+00 1.68E+00
		A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
*	Use of renewable	A5	-1.68E+00	-1.68E+00	-1.68E+00	-1.68E+00	-1.68E+00
4	primary energy used as	81-87 C1	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
	raw materials - MJ / FU	C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	, 10	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C4 D	0.00E+00 MND	0.00E+00 MND	0.00E+00 MND	0.00E+00 MND	0.00E+00 MND
		Total A-C	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		A1-A3	9.67E+00	6.27E+00	6.98E+00	8.06E+00	9.08E+00
		A4	8.91E-02	3.42E-02	4.63E-02	6.41E-02	8.15E-02
	use of renewable primary	A5 81-87	-1.33E+00 0.00E+00	-1.47E+00 0.00E+00	-1.44E+00 0.00E+00	-1.40E+00 0.00E+00	-1.35E+00 0.00E+00
	rgy resources (primary rgy and primary energy	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	sources used as raw	C2	6.51E-03	2.46E-03	3.40E-03	4.75E-03	6.10E-03
	materials) - MJ / FU	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	-	C4 D	1.30E-01 MND	4.86E-02 MND	6.75E-02 MND	9.45E-02 MND	1.22E-01 MND
		Total A-C	8.57E+00	4.89E+00	5.66E+00	6.83E+00	7.94E+00
			Eurolene 603	Enrolene 604	Eurolene 605	Eurolene 607	Eurolene 609
		A1-A3	5.26E+01	2.11E+01	2.80E+01	3.82E+01	4.81E+01
	Use of non-renewable	A4 A5	3.70E+00 2.90E+00	1.42E+00 1.16E+00	1.92E+00 1.54E+00	2.66E+00 2.10E+00	3.38E+00 2.65E+00
(7	primary energy	A5 B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	excluding non- renewable primary	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	energy resources used	C2	2.70E-01	1.02E-01	1.41E-01	1.97E-01	2.53E-01
	as raw materials - MJ /FU	C3 C4	0.00E+00 9.73E-01	0.00E+00 3.71E-01	0.00E+00 5.11E-01	0.00E+00 7.12E-01	0.00E+00 9.13F-01
	/10	D	MND	MND	MND	MND	MND
		Total A-C A1 - A3	6.04E+01	2.41E+01	3.21E+01	4.39E+01	5.53E+01
		A1-A3 A4	9.44E+00 0.00E+00	2.28E+00 0.00E+00	2.28E+00 0.00E+00	3.59E+00 0.00E+00	3.80E+00 0.00E+00
_		A5	-7.86E+00	-1.74E+00	-1.58E+00	-2.60E+00	-2.57E+00
O	Use of non-renewable primary energy used as	81-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	raw materials	C1 C2	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
	- MJ / FU	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C4	-1.58E+00	-5.36E-01	-6.97E-01	-9.88E-01	-1.23E+00
		D	MND	MND	MND	MND	MND
		Total A-C A1 - A3	0.00E+00 6.20E+01	0.00E+00 2.34E+01	0.00E+00 3.03E+01	0.00E+00 4.18E+01	0.00E+00 5.19E+01
		A4	3.70E+00	1.42E+00	1.92E+00	2.66E+00	3.38E+00
	ıl use of non-renewable	A5	-4.96E+00	-5.80E-01	-4.00E-02	-5.00E-01	8.00E-02
	mary energy resources nary energy and primary	81-87 C1	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
energ	gy resources used as raw	C2	2.70E-01	1.02E-01	1.41E-01	1.97E-01	2.53E-01
	materials) - MJ / FU	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C4 D	-6.07E-01 MND	-1.65E-01 MND	-1.86E-01 MND	-2.76E-01 MND	-3.17E-01 MND
		Total A-C	6.04E+01	2.41E+01	3.21E+01	4.39E+01	5.53E+01
			Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
		A1-A3	1.63E+00	6.12E-01	8.49E-01	1.19E+00	1.53E+00
		A4 A5	0.00E+00 8.15E-02	0.00E+00 3.06E-02	0.00E+00 4.25E-02	0.00E+00 5.95E-02	0.00E+00 7.65E-02
	Use of secondary	81-87	0.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	material Kg / FU	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	9/10	C2 C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C3	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	MND	MND	MND	MND	MND
		Total A-C	1.71E+00	6.43E-01	8.92E-01	1.25E+00	1.61E+00
			Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
6		A1-A3 A4	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
W	Use of renewable	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	secondary fuels	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	MJ / FU	C1 C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C2	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
		C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		D	MND	MND	MND	MND	MND
		Total A-C	0.00E+00 Eurolene 603	0.00E+00 Eurolene 604	0.00E+00 Eurolene 605	0.00E+00 Eurolene 607	0.00E+00 Eurolene 609
		A1-A3	0.00E+00	0.00E+00	0.00E+00	0.00F+00	0.00E+00
		A1-A3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	Use of non-renewable	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	secondary fuels - MJ / FU	81-87 C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	10	C1 C2	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
		C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		D Total A-C	0.00E+00	MND 0.00E+00	MND 0.00E+00	0.00E+00	MND 0.00E+00
		TOTAL PAC	Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
		A1-A3	3.03E-02	1.17E-02	1.51E-02	2.08E-02	2.59E-02
		A1 - A3	2.26E-05	8.67E-06	1.31E-02 1.17E-05	1.63E-05	2.07E-05
(2)	Use of net fresh water	A5	1.48E-03	5.69E-04	7.38E-04	1.01E-03	1.26E-03
9	Use of net fresh water m ³ / FU	B1-B7 C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C2	0.00E+00 1.65E-06	0.00E+00 6.23E-07	0.00E+00 8.62E-07	0.00E+00 1.20E-06	0.00E+00 1.55E-06
		C3	0.00E+00	0.23E-07 0.00E+00	0.00E+00	0.00E+00	0.00E+00
		C4	2.36E-04	8.75E-05	1.22E-04	1.72E-04	2.21E-04
		D Total A-C	MND 3 20E.02	MND 1.23E.02	MND 1.60E.02	MND 2 20E.02	MND 2.74E.02
		Total AC	3.20E-02	1.23E-02	1.60E-02	2.20E-02	2.74E-02

Waste categories

		Enviror	mental impacts			
Parameters		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
	A1-A3	1.89E-09	7.11E-10	9.87E-10	1.38E-09	1.77E-09
	A4	3.94E-11	1.51E-11	2.05E-11	2.83E-11	3.60E-11
	A5	9.33E-11	3.50E-11	4.86E-11	6.80E-11	8.74E-11
△ Hazardous waste	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
disposed	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kg / FU	C2	2.88E-12	1.09E-12	1.50E-12	2.10E-12	2.70E-12
3,11	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C4	1.02E-10	3.81E-11	5.30E-11	7.43E-11	9.56E-11
	D	MND	MND	MND	MND	MND
	Total AC	2.13E-09	8.00E-10	1.11E-09	1.55E-09	1.99E-09
		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
	A1-A3	9.72E-01	3.55E-01	4.99E-01	7.05E-01	9.11E-01
	A4	9.93E-05	3.81E-05	5.16E-05	7.15E-05	9.08E-05
	A5	2.56E-01	9.73E-02	1.33E-01	1.84E-01	2.35E-01
Non-hazardous	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
waste	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
disposed - kg / FU	C2	7.25E-06	2.74E-06	3.79E-06	5.30E-06	6.80E-06
	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C4	4.82E+00	1.82E+00	2.52E+00	3.52E+00	4.52E+00
	D	MND	MND	MND	MND	MND
	Total AC	6.05E+00	2.27E+00	3.15E+00	4.41E+00	5.67E+00
		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
	A1-A3	6.62E-03	2.48E-03	3.45E-03	4.83E-03	6.21E-03
	A4	4.33E-06	1.66E-06	2.25E-06	3.12E-06	3.96E-06
Radioactive waste	A5	3.12E-04	1.17E-04	1.62E-04	2.27E-04	2.93E-04
disposed	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kg / FU	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kg / Fo	C2	3.16E-07	1.19E-07	1.65E-07	2.31E-07	2.97E-07
	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C4	8.64E-06	2.33E-06	3.80E-06	5.91E-06	8.01E-06
	D	MND	MND	MND	MND	MND

Output flow

			mental impacts			
Parameters		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
	A1-A3	-	-	-	-	-
	A4	•	•	-	-	-
	A5	-	-	-	-	
Components for re-use	B1-B7	-	-	-	-	-
kg/FU	C1	-	-	-	-	
	C2	-	-	-	-	-
	C3			-	-	-
	C4	-	-	-	-	-
	D	MND	MND	MND	MND	MND
	Total A-C	-	-	-	-	-
		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 60
	A1-A3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	A5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Anna tala fa a a a	B1-B7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling kg/FU	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kg/F0	C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	D	MND	MND	MND	MND	MND
	Total A-C	-	-	-	-	-
		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 60
	A1-A3	-	-	-	-	
	A4	-	-	-	-	-
	A5	-	-	-	-	-
>	B1-B7	-	-	-	-	-
Materials for energy	C1	-	-	-	-	-
reovery - kg/FU	C2	-	-	-	-	-
	C3	-	-	-	-	-
	C4	-	-	-	-	-
	D	MND	MND	MND	MND	MND
	Total A-C			-	-	-
		Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 60
	A1-A3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	A4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
_	A5	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
Exported energy MJ/FU	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
,	C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	D	MND	MND	MND	MND	MND
	Total A-C	MITO	MITO	1711 10	171110	1711 10

Summary

Aggregation of results from A1 to C4 in selected impact categories.

Aggregation of resolis from 711 to earling selected impact ealegeness.					
	Eurolene 603	Eurolene 604	Eurolene 605	Eurolene 607	Eurolene 609
Global warming					
kg CO₂equiv	6.79	2.64	3.57	4.93	6.27
Non-renewable resources consumption [1]					
MJ/FU	41	17	22	29.50	36.94
Energy consumption [2]					
MJ/FU	69	29	38	50.72	63.24
Water consumption [3]					
m³/FU	0.03	0.01	0.02	0.02	0.03
Waste production [4]					
kg/FU	6.05	2.27	3.16	4.41	5.67

 $[\]begin{tabular}{l} [1] This indicator corresponds to the abiotic depletion potential of fossil resources. \end{tabular}$

 $[\]label{eq:constraint} \ensuremath{\text{[2]}} \textit{ This indicator corresponds to the total use of primary energy.}$

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

 $[\]label{thm:corresponds} \emph{[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

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

LCA report: Project_report_on_Eurocoustic_LCA_2021-12-06

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 2.33 dated 2020-09-18)

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