

Programme: The International
EPD® System,
www.environdec.com

Programme operator:
EPD International AB

EPD registration
number:
S-P-04517

Publication
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2021-09-02

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2026-08-30

ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025 / ISO 21930

Areco HIGH PROFILE Areco Profiles AB

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com.

GENERAL INFORMATION

MANUFACTURER INFORMATION

Manufacturer	Areco Profiles AB
Address	Vinkelgatan 13
Contact details	eva.strandberg@areco.se
Website	https://www.arecoprofiles.se/sv/

PRODUCT IDENTIFICATION

Product name	Areco High Profile
Additional label(s)	TP 131 and TP 200
Place(s) of production	Malmö, Sweden
CPC code	4219 - Other structures (except prefabricated buildings) and parts of structures, of iron, steel or aluminium; plates, rods, angles, shapes, sections, profiles, tubes and the like, prepared for use in structures, of iron, steel or aluminium; props and similar equipment for scaffolding, shuttering or pit propping.

The International EPD System

EPDs within the same product category but from different programs may not be comparable.

EPD INFORMATION

The EPD owner has the sole ownership, liability, and responsibility for the EPD. Construction products EPDs may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

EPD program operator	EPD International AB
EPD standards	This EPD is in accordance with EN 15804+A2 and ISO 14025 standards.
Product category rules	The CEN standard EN 15804 serves as the core PCR. In addition, the EPD International PCR 2019:2014 version 1.11 (2021-02-05) is used.
EPD author	Eva Strandberg, Areco Profiles AB
EPD verification	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal certification <input checked="" type="checkbox"/> External verification
Verification date	31.8.2021
EPD verifier	Silvia Vilčeková, Silcert, s.r.o.
EPD number	S-P-04517
Publishing date	2.9.2021
EPD valid until	30.8.2026

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Areco TP 131 and TP 200 are both strong profiles suitable for large spans in roof construction.

PRODUCT APPLICATION

Areco high profile is an important element in the roof construction. The profile is well suited for overlaying insulation and roof. The high profile is cantilevered up to 10 m. The profiles have a relatively low weight which makes assembly easy. Perforation with Pattern No. R3T6 is available when requested for noise reduction. The product is also available with pre-punched drainage holes.

TECHNICAL SPECIFICATIONS

Our technical department supplies calculations for both small and large projects and offer support throughout the building process.

PRODUCT STANDARDS

Areco Profiles has an approved FPC for EN 1090, EXC 3 and our products are CE-labelled.

PHYSICAL PROPERTIES OF THE PRODUCT

For a more detailed technical specification see our web site <https://www.arecoprofiles.se/en/products/areco-high-profiles/>

ADDITIONAL TECHNICAL INFORMATION

Further information can be found at <https://www.arecoprofiles.se/sv/>

PRODUCT RAW MATERIAL COMPOSITION

Product and Packaging Material	Weight, kg	Post-consumer %	Renewable %	Country Region of origin
Steel	0,97-0,99	20	-	Asia/Europe
Aluminium	0,007-0,016	-	-	Asia/Europe
Zinc	0,006-0,012	-	-	Asia/Europe
Silicon	0,0002-0,0004	-	-	Asia/Europe
Magnesium	0,0001-0,0004			Europe
Polyester	0,001-0,002			Europe

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

MANUFACTURING AND PACKAGING (A1-A3)

The product is cold formed at our facility in Malmö. Production is powered and heated by electricity.

The product is packaged with wood bedding and plastic which is strapped in place.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

Average distance of transportation from production plant to building site is assumed as 600 km which is the distance from the production site to Stockholm, and the transportation method is assumed to be lorry. Vehicle capacity utilization volume factor is assumed to be 1 which means full load. In reality, it may vary but as role of transportation emissions in total results is small, the variety in load is assumed to be negligible. Empty returns are not taken into account as it is assumed that return trip is used by the transportation company to serve the needs of other clients. Transportation does not cause losses as products are packaged properly.

Density of the product is 7850 kg/m³, however bulk density varies depending on order size and thickness. Therefore, the average loss due to the nested products is assumed as 10%; accordingly, bulk density is calculated as an approximate 7000 kg/m³.

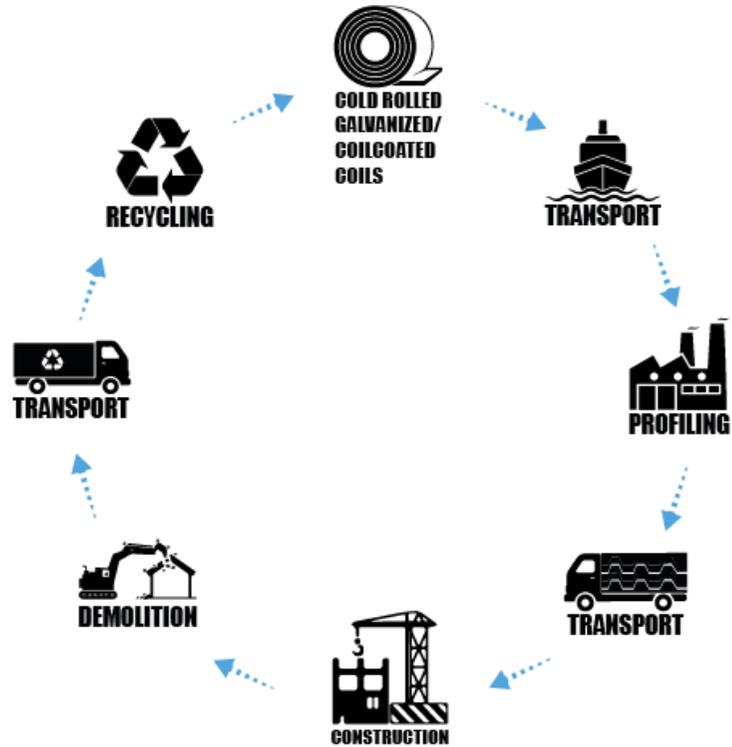
PRODUCT USE AND MAINTENANCE (B1-B7)

This EPD does not cover the use phase. Air, soil and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

Demolition is assumed to take 0,01 kWh/kg of product. It is assumed that 100% of the waste is collected (C1). Distance for transportation to treatment is assumed as 50 km and the transportation method is assumed to be lorry (C2). 95% of steel is assumed to be recycled based on World Steel Association, 2020 (C3). It is assumed that 5% of steel is taken to landfill for final disposal (C4). Due to the recycling process the end-of-life product is converted into a recycled steel (D).

MANUFACTURING PROCESS



LIFE-CYCLE ASSESSMENT

LIFE-CYCLE ASSESSMENT INFORMATION

Period for data	Calendar year 2020
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DECLARED AND FUNCTIONAL UNIT

Declared unit	1kg
Mass per declared unit	1kg

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0,011

SYSTEM BOUNDARY

This EPD covers the *cradle to gate with options* scope with following modules; A1 (Raw material supply), A2 (Transport) and A3 (Manufacturing), A4 (Transport), A5 (Assembly) as well as C1 (Deconstruction), C2 (Transport at end-of-life), C3 (Waste processing) and C4 (Disposal). In addition, module D - benefits and loads beyond the system boundary is included.

Product stage			Assembly stage		Use stage							End of life stage				Beyond the system boundaries		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	D	D
x	x	x	x	x	MND	MND	MND	MND	MND	MND	MND	x	x	x	x	x	x	x
Geography, by two-letter ISO country code or regions.																		
Asia/EU	EU	EU	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU			EU
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Modules not declared = MND.

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the EN 15804:2012+A2:2019 and EPD International PCR. The study does not exclude any hazardous materials or substances.

The study includes all major raw material and energy consumption. The alu-zinc coating contains 1,6% silicon constituting <0,001% of the final product and has therefore been excluded. All inputs and outputs of the unit processes which data are available for are included in the calculation. There is no neglected unit process more than 1% of total mass and energy flows. The total neglected input and output flows do also not exceed 5% of energy usage or mass.

The life cycle analysis includes all industrial processes from raw material acquisition to production, distribution and end-of-life stages. There is no available data for alu-zinc-coating. Instead we have used data for zinc-coating and added the contribution from aluminium

separately. The same is true for the A2-parts of magi-zinc and polyester coating where magnesium and polyester have been added separately. Packaging consists of PE film and wooden bedding strapped together with PET straps. PET straps have been excluded since they are considered negligible.

The production of capital equipment, construction activities, and infrastructure, maintenance and operation of capital equipment, personnel-related activities, energy and water use related to company management and sales activities are excluded.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. In this study, as per EN 15804, allocation is conducted in the following order;

1. Allocation should be avoided.
2. Allocation should be based on physical properties (e.g. mass, volume) when the difference in revenue is small.
3. Allocation should be based on economic values.

In the factory, several kinds of steel products are produced. The production processes of these products are similar, As it is impossible to collect raw material, ancillary material, energy consumption and waste production data separately for each product produced in the plant, data is allocated. Allocation is based on mass and calculated as the annual production percentage of either the

entire site (as for waste and internal transport) or for the specific building (as for energy) depending on the level of available data.

This LCA study is conducted in accordance with all methodological considerations, such as performance, system boundaries, data quality, allocation procedures, and decision rules to evaluate inputs and outputs. Allocation used in Ecoinvent 3.6 environmental data sources follows the methodology 'allocation, cut-off by classification'. This methodology is in line with the requirements of the EN 15804 - standard.

AVERAGES AND VARIABILITY

GWP-GHG varies with thickness of the material since thicker material has less corrosion protective metal (alu-zinc or magi-zinc) per kg product. The coil coated material also has a lower GWP-GHG, partly because it's sourced regionally and possibly because the A1-portion of the data there is specific rather than generic.

The International EPD System additional data requirements

Data specificity and GWP-GHG variability for GWP-GHG for A1-A3.

Supply-chain specific data for GWP-GHG	>85%
Variation in GWP-GHG between products	+17%, -9%
Variation in GWP-GHG between sites	-

ENVIRONMENTAL IMPACT DATA

Note: ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930 are presented in annex.

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2, PEF

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total	kg CO2e	2,61E0	1,1E-1	-5,36E-2	2,66E0	1,04E-1	6,77E-2	MND	3,3E-3	4,55E-3	2,21E-2	2,64E-4	-1,09E0						
GWP – fossil	kg CO2e	2,6E0	1,1E-1	1,38E-2	2,72E0	1,05E-1	3,88E-3	MND	3,3E-3	4,54E-3	2,34E-2	2,63E-4	-1,1E0						
GWP – biogenic	kg CO2e	4,97E-3	-2,36E-5	-6,75E-2	-6,25E-2	4,06E-5	6,38E-2	MND	9,17E-7	3,3E-6	-1,34E-3	5,22E-7	8,04E-3						
GWP – LULUC	kg CO2e	2,65E-3	7,1E-5	7,6E-5	2,79E-3	3,95E-5	4,23E-7	MND	2,79E-7	1,37E-6	2,66E-5	7,82E-8	2,94E-5						
Ozone depletion pot.	kg CFC11e	1,69E-7	2,23E-8	3,18E-9	1,94E-7	2,27E-8	7,88E-10	MND	7,12E-10	1,07E-9	3,37E-9	1,08E-10	-3,14E-8						
Acidification potential	mol H+e	3,41E-2	3,24E-3	8,1E-5	3,74E-2	3,13E-4	3,94E-5	MND	3,45E-5	1,91E-5	2,84E-4	2,5E-6	-4,25E-3						
EP-freshwater ²⁾	kg Pe	1,51E-4	5,35E-7	3,51E-7	1,52E-4	1,04E-6	1,99E-8	MND	1,33E-8	3,7E-8	1,62E-6	3,18E-9	-4,35E-5						
EP-marine	kg Ne	3,42E-3	7,99E-4	1,94E-5	4,24E-3	6,18E-5	1,74E-5	MND	1,52E-5	5,75E-6	6,27E-5	8,61E-7	-8,35E-4						
EP-terrestrial	mol Ne	1,21E-1	8,88E-3	2,06E-4	1,3E-1	6,89E-4	1,9E-4	MND	1,67E-4	6,35E-5	7,28E-4	9,48E-6	-8,83E-3						
POCP (“smog”)	kg NMVOCe	1,2E-2	2,31E-3	6,3E-5	1,44E-2	2,58E-4	5,18E-5	MND	4,59E-5	2,04E-5	1,99E-4	2,75E-6	-5,72E-3						
ADP-minerals & metals	kg Sbe	1,66E-3	1,03E-6	9,27E-8	1,66E-3	2,8E-6	1,55E-8	MND	5,03E-9	7,75E-8	1,3E-6	2,41E-9	-1,08E-6						
ADP-fossil resources	MJ	2,97E1	1,43E0	3,31E-1	3,14E1	1,55E0	5,17E-2	MND	4,54E-2	7,07E-2	3,25E-1	7,36E-3	-8,16E0						
Water use ¹⁾	m3e depr.	1,5E0	3,18E-3	2,63E-3	1,5E0	6,02E-3	-1,87E-4	MND	8,46E-5	2,63E-4	4,61E-3	3,4E-4	-1,59E-1						

1) GWP = Global Warming Potential; EP = Eutrophication potential; POCP = Photochemical ozone formation; ADP = Abiotic depletion potential. 2) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. 3) Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO4e.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy	MJ	2,06E0	1,09E-2	2,3E-1	2,3E0	1,75E-2	3,63E-4	MND	2,45E-4	8,9E-4	5,1E-2	5,95E-5	1,06E-1						
Renew. PER as material	MJ	9,78E-3	0E0	5,98E-1	6,08E-1	0E0	-5,98E-1	MND	0E0	0E0	0E0	0E0	0E0						
Total use of renew. PER	MJ	2,07E0	1,09E-2	8,28E-1	2,9E0	1,75E-2	-5,97E-1	MND	2,45E-4	8,9E-4	5,1E-2	5,95E-5	1,06E-1						
Non-re. PER as energy	MJ	3,14E1	1,43E0	3,31E-1	3,32E1	1,55E0	5,17E-2	MND	4,54E-2	7,07E-2	3,25E-1	7,36E-3	-8,16E0						
Non-re. PER as material	MJ	4,3E-1	0E0	1,43E-4	4,3E-1	0E0	0E0	MND	0E0	0E0	0E0	0E0	0E0						
Total use of non-re. PER	MJ	3,19E1	1,43E0	3,31E-1	3,36E1	1,55E0	5,17E-2	MND	4,54E-2	7,07E-2	3,25E-1	7,36E-3	-8,16E0						

Secondary materials	kg	2,72E-1	0E0	1,32E-6	2,72E-1	0E0	0E0	MND	0E0	0E0	0E0	0E0	5,07E-1						
Renew. secondary fuels	MJ	5,69E-6	0E0	0E0	5,69E-6	0E0	0E0	MND	0E0	0E0	0E0	0E0	0E0						
Non-ren. secondary fuels	MJ	-4,5E-3	0E0	0E0	-4,5E-3	0E0	0E0	MND	0E0	0E0	0E0	0E0	0E0						
Use of net fresh water	m3	1,89E-2	1,47E-4	6,77E-5	1,91E-2	2,7E-4	1,09E-5	MND	4,01E-6	1,47E-5	1,33E-4	8,05E-6	-7,2E-3						

PER abbreviation stands for primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	Kg	3,1E-1	1,64E-3	3,27E-4	3,12E-1	2,04E-3	1,88E-4	MND	4,88E-5	6,87E-5	0E0	6,87E-6	-1,3E-1						
Non-hazardous waste	Kg	3,36E0	3,03E-2	7,98E-3	3,4E0	1,14E-1	2,56E-2	MND	5,22E-4	7,6E-3	0E0	5E-2	-1,47E0						
Radioactive waste	Kg	4,01E-4	1E-5	2,91E-6	4,14E-4	1,02E-5	3,46E-7	MND	3,18E-7	4,85E-7	0E0	4,87E-8	4,68E-6						

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	Kg	0E0	0E0	0E0	0E0	0E0	0E0	MND	0E0	0E0	0E0	0E0	0E0						
Materials for recycling	Kg	4,56E-3	0E0	2,33E-5	4,58E-3	0E0	6E-6	MND	0E0	0E0	9,5E-1	0E0	0E0						
Materials for energy rec	Kg	9,06E-4	0E0	4,07E-6	9,1E-4	0E0	5E-2	MND	0E0	0E0	0E0	0E0	0E0						
Exported energy	MJ	0E0	0E0	0E0	0E0	0E0	0E0	MND	0E0	0E0	0E0	0E0	0E0						

ENVIRONMENTAL IMPACTS – GWP-GHG - THE INTERNATIONAL EPD SYSTEM

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG	kg CO2e	2,6E0	1,1E-1	1,38E-2	2,72E0	1,05E-1	3,88E-3	MND	3,3E-3	4,54E-3	2,34E-2	2,63E-4	-1,1E0						

This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013) This indicator is almost equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.

SCENARIO DOCUMENTATION

Manufacturing energy scenario documentation

Scenario parameter	Value
Electricity data source and quality	Electricity production, nuclear, pressure water reactor
Electricity CO2e / kWh	0.0113
Electricity data source and quality	Electricity production, oil
Electricity CO2e / kWh	0.83
Electricity data source and quality	Electricity production, hydro, reservoir, non-alpine region
Electricity CO2e / kWh	0.0487
District heating data source and quality	-
District heating CO2e / kWh	-

BIBLIOGRAPHY

ISO 14025:2010 Environmental labels and declarations – Type III environmental declarations. Principles and procedures.

ISO 14040:2006 Environmental management. Life cycle assessment. Principles and frameworks.

ISO 14044:2006 Environmental management. Life cycle assessment. Requirements and guidelines.

Ecoinvent database v3.6 (2019) and One Click LCA database.

EN 15804:2012+A2:2019 Sustainability in construction works – Environmental product declarations – Core rules for the product category of construction products.

The CEN standard EN 15804+A2 serves as the core PCR. In addition, the EPD International PCR 2019:2014 version 1.11 (2021-02-05) is used.

EPD. General Programme Instructions of the international EPD® system. Version 4.0

Areco High Profile LCA background report 15.07.2021

ABOUT THE MANUFACTURER

Areco is a privately owned Swedish company founded in 1944 and today one of the leading players in the sheet metal industry. Areco's business activities are mainly aimed at the construction industry with a comprehensive range of building components in sheet metal for residential and commercial properties. We serve customers in 25 countries.

EPD AUTHOR AND CONTRIBUTORS

Manufacturer	Areco Profiles AB
EPD author	Eva Strandberg, Areco Profiles AB
EPD verifier	Silvia Vilčeková, Silcert, s.r.o.
EPD program operator	The International EPD System
Background data	This EPD is based on Ecoinvent 3.6 (cut-off) and One Click LCA databases.
LCA software	The LCA and EPD have been created using One Click LCA Pre-Verified EPD Generator for Primary Steel and Aluminium and all Metal-Based Products

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with EN 15804, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The background report (project report) for this EPD

Why does verification transparency matter? [Read more online.](#)

VERIFICATION OVERVIEW

Following independent third party has verified this specific EPD:

EPD verification information	Answer
Independent EPD verifier third-party verifier for EPD	Silvia Vilčeková, Silcert, s.r.o.
EPD verification started on	24.8.2021
EPD verification completed on	31.8.2021
Supply-chain specific data %	>85 % of A1-A3 GWP-GHG
Approver of the EPD verifier	The International EPD System

Author & tool verification	Answer
EPD author	Eva Strandberg, Areco Profiles AB
EPD author training completion	9.3.2021
EPD Generator module	Primary Steel and Aluminium and all Metal-Based Products

Independent software verifier	Ugo Pretato, Studio Fieschi & soci Srl.
Software verification date	11.5.2021

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of

- the data collected and used in the LCA calculations,
- the way the LCA-based calculations have been carried out,
- the presentation of environmental data in the EPD, and
- other additional environmental information, as present

with respect to the procedural and methodological requirements in ISO 14025:2010 and EN 15804:2012+A2:2019.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.



Silvia Vilčeková, Silcert, s.r.o.

VERIFICATION AND REGISTRATION (ENVIRONDEC)

ISO standard ISO 21930 and CEN standard EN 15804 serves as the core Product Category Rules (PCR)	
PCR	PCR 2019:14 Construction products, version 1.11
PCR review was conducted by:	The Technical Committee of the International EPD® System. See www.environdec.com/TC for a list of members. Review chair: Claudia A. Peña, University of Concepción, Chile. The review panel may be contacted via the Secretariat www.environdec.com/contact .
Independent third-party verification of the declaration and data, according to ISO 14025:2006:	Independent verification of this EPD and data, according to ISO 14025: <input type="checkbox"/> Internal certification <input checked="" type="checkbox"/> External verification
Third party verifier	Silvia Vilčeková, Silcert, s.r.o.
	Approved by: The International EPD® System Technical Committee, supported by the Secretariat
Procedure for follow-up during EPD validity involves third party verifier	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no



THE INTERNATIONAL EPD® SYSTEM

EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden, E-mail: info@environdec.com

ANNEX 1 : ENVIRONMENTAL IMPACTS – EN 15804+A1, CML / ISO 21930

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO2e	2,69E0	1,09E-1	1,37E-2	2,81E0	1,01E-1	3,84E-3	MND	3,27E-3	4,5E-3	2,31E-2	2,58E-4	-1,03E0						
Ozone depletion Pot.	kg CFC11e	7,69E-8	1,77E-8	3,09E-9	9,77E-8	1,76E-8	6,26E-10	MND	5,63E-10	8,49E-10	2,86E-9	8,59E-11	-2,55E-8						
Acidification	kg SO2e	1,5E-2	2,57E-3	6,23E-5	1,76E-2	2,33E-4	8,13E-6	MND	4,87E-6	9,25E-6	1,77E-4	1,04E-6	-3,28E-3						
Eutrophication	kg PO4 3e	4,18E-3	2,88E-4	1,22E-5	4,48E-3	5,09E-5	4,15E-6	MND	8,57E-7	1,87E-6	7,21E-5	2,02E-7	-1,82E-3						
POCP ("smog")	kg C2H4e	9,96E-4	6,81E-5	2,93E-6	1,07E-3	1,23E-5	5,88E-7	MND	5,01E-7	5,86E-7	8,28E-6	7,64E-8	-8,49E-4						
ADP-elements	kg Sbe	1,66E-3	1,03E-6	9,27E-8	1,66E-3	2,73E-6	1,55E-8	MND	5,03E-9	7,75E-8	1,3E-6	2,41E-9	-1,07E-6						
ADP-fossil	MJ	2,97E1	1,43E0	3,31E-1	3,14E1	1,51E0	5,17E-2	MND	4,54E-2	7,07E-2	3,25E-1	7,36E-3	-8E0						