Environmental Product Declaration

In accordance with ISO 14025:2010 and EN 15804:2012+A2:2019/AC:2021 for:

Tiles made from recycled plastic - Travertine/Onyx

from

NOVAVITA DESIGN s.r.o.

Programme:	"National Environmental Labeling Program" - Czech Republic (NPEZ)
Programme operator:	Ministry of the Environment of the Czech Republic, CENIA, Czech Environmental Information Agency, executive function of the NPEZ Agency
EPD registration number:	**7250010**
Publication date:	2025-11-11
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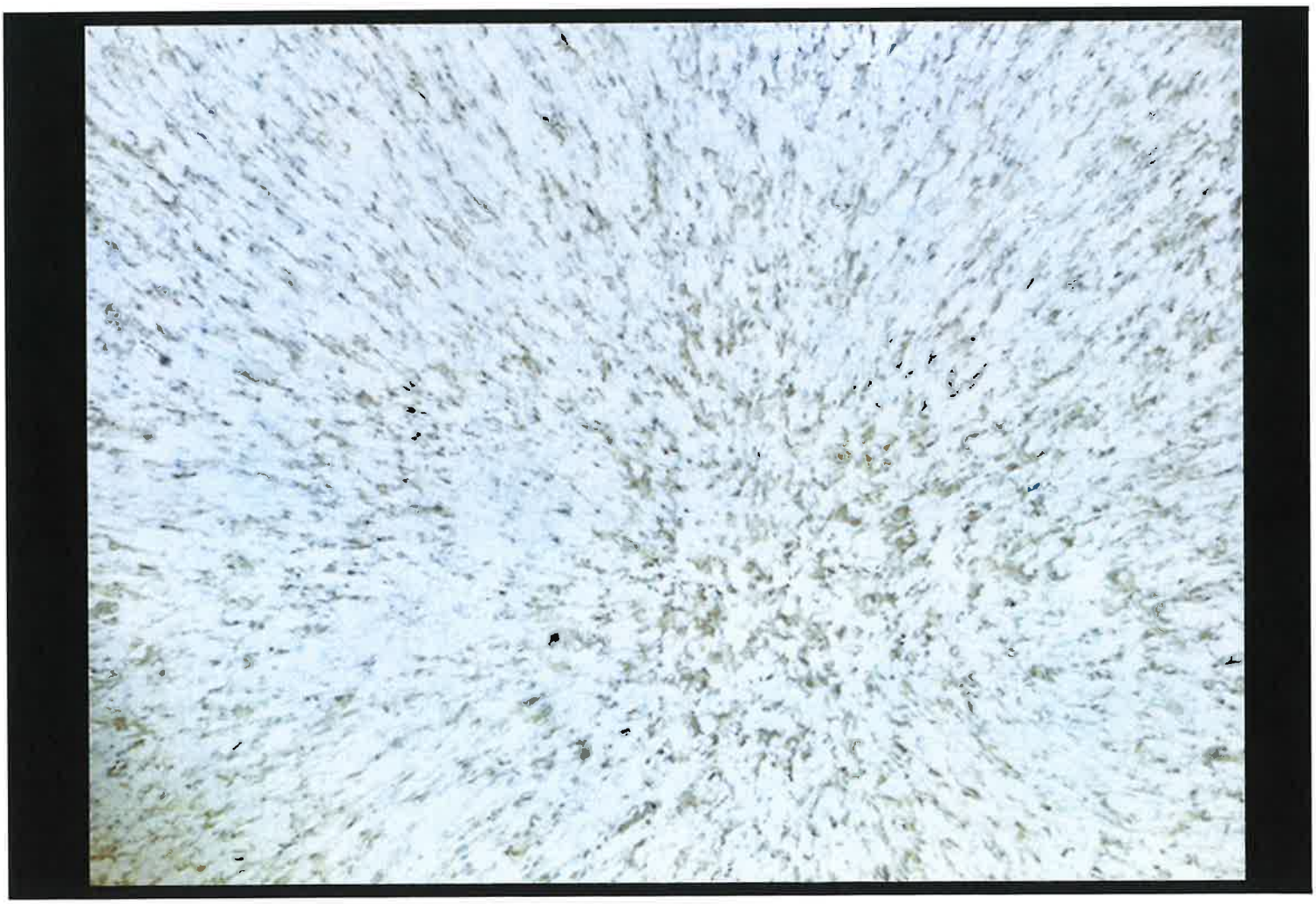
An EPD should provide current information and may be updated if conditions change.



General information

Programme information

Programme:	"National Environmental Labeling Program" - Czech Republic (NPEZ)
Address:	Ministry of the Environment of the Czech Republic Department of Voluntary Instruments 100 10 Praha 10, Vršovická 1442/65
Website:	www.mzp.cz, www.cenia.cz
E-mail:	info@mzp.cz

Accountabilities for PCR, LCA and independent, third-party verification
Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): *EN ISO 15804+A2:2019: Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products, UN CPC: 35510*
Life Cycle Assessment (LCA)
LCA accountability: *Technický a zkušební ústav stavební Praha, s.p., 190 00 Praha 9, Prosecká 811/76a, CZ* *Computational program OneClick LCA*
Third-party verification
Procedure for follow-up of data during EPD validity involves third party verifier: ☐Yes ☒No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD: NOVAVITA DESIGN s.r.o.

Contact:
Martina Zachrlová

Description of the organisation:
NOVAVITA DESIGN s.r.o. is a materials laboratory based in Brno, specializing in the production and supply of panel boards and tiles made from 100% recycled plastic. It was founded in 2022 with the aim of providing sustainable solutions in the field of building materials. Production is located in Česká Třebová, and the company fulfills orders across Europe.

Product-related or management system-related certifications:
The product is not certified during the LCA analysis and EPD certification process.

Name and location of production site(s):
Moravská 1078, Česká Třebová 560 02, Areál Sintex

Product information

Product name: Tiles made from recycled plastic - Travertine/Onyx

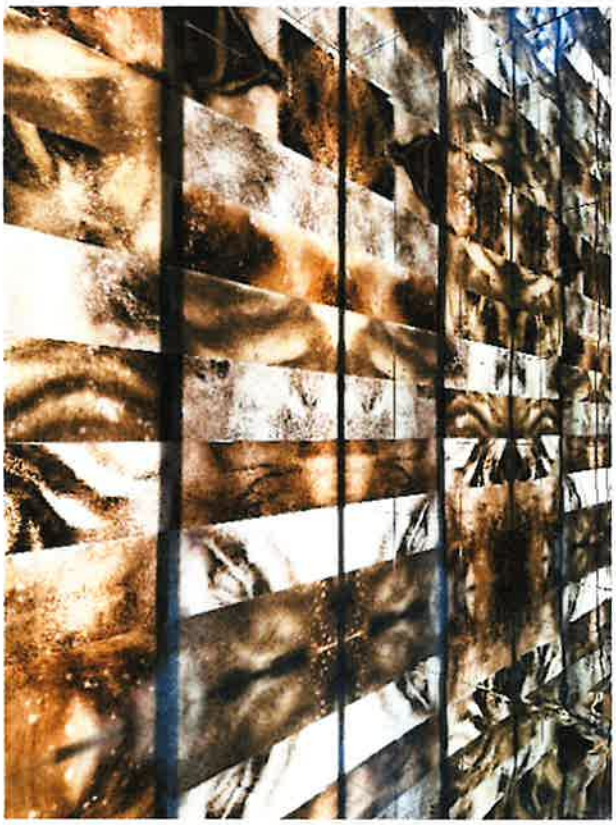
Product identification:
During the LCA analysis and EPD certification process, the product is not certified according to a harmonized European standard or European assessment document.

Product description:
Plastic cladding panels are made from 100% recycled plastic waste, mainly from post-consumer and industrial sources. Thanks to an advanced technological process, the materials are thoroughly crushed and pressed into final panels without the need for binders, resins, or other chemical additives. The resulting material is extremely resistant to moisture, mold, and common chemicals, making it a suitable alternative to traditional ceramic tiles. Our goal is to offer a fully-fledged ecological replacement for traditional ceramic tiles, while our panels can also be used in other areas of interior design. Thanks to their strength and versatility, they can also be used as table tops, furniture cladding, or decorative panels. Each piece is unique—the color and texture depend on the composition of the recycled material used, giving each project a unique visual character.

Product types:
1. Telerazzo – PS plastic
2. Onyx – a combination of PP plastic and coffee waste
3. Travertine – PP plastic

This EPD applies only to the Tavertine/Onyx type.

Picture 1: Bathroom tiles made from old plastic canisters – Travertine type



Picture 2: Recycled backlit panels made from coffee waste and recycled plastic, created in collaboration with Starbucks—Onyx type

UN CPC code: 36910 - Floor coverings of plastics, in rolls or in the form of tiles; wall or ceiling coverings of plastics

Geographical scope:
The generic data used from the database available in the OneClick LCA program (Ecoinvent 3.11, OneClick LCA database, and EPD products) are used with validity for the Czech Republic (e.g., energy inputs), and if data for the Czech Republic are not available, data valid for the EU are used. Based on the evaluation according to EN 15804+A2, Annex E, tab. E.1 the generic data used meet the quality level - medium.

Product packaging:
The method of packaging panels depends primarily on the distance they are transported and the size of the products ordered. For larger panels that are intended for longer transport, protective material such as Mirelon is inserted between the individual panels to ensure maximum protection against damage during transport. For smaller orders, such as tiles, paper boxes are used without additional Mirelon protection, as these products are smaller and better protected due to their size and shape.
If the products are delivered within the Czech Republic, transport is carried out by the manufacturer's vehicles, in which case no additional packaging is required. For export abroad or when transporting larger quantities of goods, palletization is used – the products are carefully packed on pallets, which ensures safe transport and stability during transport. Specialized carriers that focus on transporting larger volumes of goods and have experience with international distribution are used for cross-border transport.
This approach allows manufacturers to optimize transportation costs while ensuring that their products arrive at the customer in perfect condition, whether it is local or international transport.

Environment and health during use
During the entire production process, it is not necessary to take any special health protection measures beyond the legally specified industrial protection measures for production employees. Given the areas of application of the product, no environmental impacts or emissions to water, air, or soil are expected.

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LCA information

Functional unit / declared unit:

The declared unit is 1 m^2 of the average manufactured product – Tiles made from recycled plastic – Telerazzo

Designation	Unit	Value
Declared unit	m^2	1
Conversion factor to 1 kg	kg	9

Reference service life:

The estimated reference service life (RSL) of panels made from 100% recycled plastic depends on several factors, such as specific conditions of use, maintenance, and the environment in which the panels are installed. We do not declare an RSL; however, if the panels are properly installed and maintained, their lifespan is commonly estimated to be 20 to 30 years.

Time representativeness:

For specific data, manufacturer data collected for the production of PS – Telerazzo cladding panels is used. The data corresponds to the period from June 2024 to June 2025. For generic data, data from databases that are part of the OneClick LCA program (Ecoinvent database version 3.11, OneClick LCA database, and others) is used. Based on the evaluation according to EN 15804+A2, Annex E, tab. E.1 the generic data used meet the quality level – good - very good.

Database(s) and LCA software used:

The OneClick LCA tool and database (EPD Hub Core PCR version 1.2, March 24, 2025) was used to assess the processes. The OneClick LCA database represents the latest available data in the form of EPDs complying with EN 15804 and data from Ecoinvent 3.11.
The GWP-GHG of electricity is 0,71 kg CO_2e/kWh (mix CZE)

Description of system boundaries:

Cradle to gate with modules C1–C4 and module D (A1–A3 + C + D)

The production phase includes the following modules:

- **A1** - extraction and processing of raw materials and production of packaging from input raw materials
- **A2** - transport of input raw materials from the supplier to the manufacturer, waste removal
- **A3** - manufacture of products, manufacture of auxiliary materials and semi-finished products, energy consumption, including waste treatment until it ceases to be waste or after the removal of the last material residues during the production phase. The results of A1-A3 include a "balancing report" of biogenic CO2 from packaging released in module A5, as module A5 is not fully included. In accordance with the "polluter pays" principle, the costs/benefits of further handling of this packaging are also included in this module.

The end-of-life phase includes modules:

- **C1,** deconstruction, demolition; product from a building, including its dismantling or demolition, including initial sorting of materials at the construction site. Decomposition and/or dismantling of the product is carried out by mechanical separation from the substrate, as its subsequent processing is assumed - 100% recycling of the product.
- **C2,** transport to the waste processing site; transport of discarded products as part of waste processing, e.g., to a recycling site, and transport of waste, e.g., to a final disposal site. Transport from the dismantled building is carried out by a truck with a load capacity of 7.5–16

tons (EURO 6) to the product processing and recycling site, with an estimated transport distance of 50 km to the recycling center.

- **C3,** waste treatment for reuse, recovery, and/or recycling; e.g., collection of waste fractions from deconstruction and treatment of waste from material flows intended for reuse, recycling, and energy recovery. A scenario is assumed in which 0% of the product is landfilled. For the use of products as recyclable material, 100% is considered.
- **C4,** waste disposal, including pre-processing and management of the disposal site. 0% of the dismantled product is disposed of as mixed construction material in an inert material landfill.

Benefits and costs beyond the product system boundary are presented in module D.
Module D includes:

- **D,** potential for reuse, recovery, and/or recycling, expressed in net impacts or benefits. The module D scenario takes into account savings in primary raw material inputs (excluding transport and energy) in another product system. Impacts from the crushing and sorting process are included.

Production description:
The production of cladding panels begins with the careful selection and preparation of recycled plastic, which is first crushed and mixed according to internal recipes. This mixture of recycled plastic is then placed into specially designed molds that determine the desired thickness of the panels.
The mixture is then subjected to heat treatment in compression ovens, where high temperature and pressure cause the material to harden, achieving the desired strength and structure of the panel. This process is key to ensuring maximum resistance and durability of the final product.
After the heat treatment process is complete, the boards are then placed in a cold press, where they are allowed to cool under pressure to prevent any bending or deformation during cooling. This step ensures that the boards have ideal stability and an even surface.
The result is a high-quality, strong, and durable product that can then be used for a wide range of applications, whether indoors as cladding or for the manufacture of furniture and other structural elements.

More information:
Information modules A4 and A5 are not included in the LCA due to the difficulty in obtaining input data and are therefore not declared.
Information modules B1 to B7 are also not declared, as these types of products, when used correctly, do not require any special maintenance, repairs, or replacement during their normal service life.
All operational data relating to the consumption of main and auxiliary materials for the manufacture of the product, energy data, oil consumption, and the distribution of waste and emissions for the period under review, as recorded by the plant, were taken into account for the study. In terms of waste produced, only waste clearly related to production activities was included in the analysis.
The analysis did not include the processes necessary for the installation of production equipment and infrastructure construction. Administrative processes are also not included – inputs and outputs are balanced at the production stage.
The NOVAVITA DESIGN s.r.o. production plant is part of a complex of several other production plants. Therefore, it does not have specific records for energy, water, waste, emissions, etc., which would represent only the production of NOVAVITA DESIGN s.r.o.. Energy consumption was calculated based on the consumption of individual technological equipment used to manufacture the product, including the consumption of electricity for lighting and natural gas for heating in the production hall. Similarly, emissions and waste data were also obtained through calculations.
The manufacturer's input data was allocated according to the weight ratio relative to the total number of square meters of product manufactured - note DJ: 1m2 = 9 kg (applied to energy, auxiliary materials, packaging materials, where relevant). The assessed product Travertine/Onyx accounts for 34.5% of total production in the period under review.

Modules declared, geographical scope, share of specific data (in GWP-GHG results) and data variation (in GWP-GHG results)::

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	**A1**	**A2**	**A3**	**A4**	**A5**	**B1**	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**C1**	**C2**	**C3**	**C4**	**D**
Modules declared	x	x	x	x	ND	ND	ND	ND	ND	ND	ND	ND	x	x	x	x	x
Geography	CZ EU	CZ EU	CZ EU	EU									EU	EU	EU	EU	GLO, EU
Specific data used	> 95 %					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	< 10 %					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	0 %					-	-	-	-	-	-	-	-	-	-	-	-

The data used to calculate the EPD conforms to the following principles:

Technological point of view: Data corresponding to the current production of individual types of partial products of the plant and corresponding to the current state of the technologies used are used. Based on the evaluation according to EN 15804+A2, Annex E, tab. E.1 the generic data used meet the quality level - very good.

The aspect of completeness and completeness: Most of the input data is based on consumption balances, which are precisely recorded in the manufacturer's information system. The reliability of the source of specific data is determined by the uniformity of the collection methodology of the information system.

Consistency point of view: Uniform points of view are used throughout the report (allocation rules, age of data, technological scope of validity, temporal scope of validity, geographical scope of validity). Credibility aspect: All important data were checked for adherence to cross-comparison of mass balances.

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Content information

Product components	Weight %	Post-consumer material, weight-%	Biogenic carbon content in kg C/DU
Polypropylene – 100% recycled material	100	100	0
TOTAL	100	100	0
Packaging materials	**Weight %**	**Weight-% (versus the product)**	**Biogenic carbon content in kg C/DU**
Cardboard	5,51	0,89	0,06125
Plastic strapping bands	0,04	0,01	0
Mirelon	91,87	14,83	0
Wooden pallets - returnable	2,57	0,42	0,796007
TOTAL	100	16,15	0,857257

Dangerous substances from the candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight-% per functional or declared unit (DU)
They are not	-	-	-

Substances listed on the list of substances of very high concern subject to authorization by the European Chemicals Agency are not contained in the product in declarable quantities.

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Results of the environmental performance indicators

Mandatory impact category indicators according to EN 15804:2012+A2:2019/AC:2021

Results per functional or declared unit

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fosil	kg CO_2 ekv.	2,81E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,12E-02	5,41E-02	5,63E-00	0,00E+00	0,00E+00
GWP-biogenic	kg CO_2 ekv.	-2,87E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,96E-06	1,05E-05	5,01E-02	0,00E+00	0,00E+00
GWP- luluc	kg CO_2 ekv.	2,26E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,03E-08	1,81E-05	4,95E-03	0,00E+00	0,00E+00
GWP - total	kg CO_2 ekv.	2,53E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,12E-02	5,41E-02	5,68E-00	0,00E+00	0,00E+00
ODP	kg CFC 11 ekv.	9,43E-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,71E-09	1,08E-09	5,39E-08	0,00E+00	0,00E+00
AP	mol H^+ ekv.	8,62E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,81E-05	1,61E-04	1,57E-02	0,00E+00	0,00E+00
EP-freshwater	kg P ekv.	6,00E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,13E-08	3,52E-06	1,64E-03	0,00E+00	0,00E+00
EP- marine	kg N ekv.	2,25E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,21E-06	5,42E-05	4,13E-03	0,00E+00	0,00E+00
EP - terrestrial	mol N ekv.	2,20E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,82E-05	5,90E-04	2,82E-02	0,00E+00	0,00E+00
POCP	kg NMVOC ekv.	6,31E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,22E-05	2,55E-04	9,19E-03	0,00E+00	0,00E+00
ADP- minerals& metals*	kg Sb ekv.	6,00E-05	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,52E-09	1,77E-07	3,54E-05	0,00E+00	0,00E+00
ADP-fosil*	MJ	2,46E+03	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,47E-01	7,54E-01	4,81E+01	0,00E+00	0,00E+00
WDP*	m^3	2,19E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,59E-02	3,66E-03	1,71E+00	0,00E+00	0,00E+00

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

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

Additional mandatory and voluntary impact category indicators

Results per functional or declared unit

Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG[1]	kg CO_2 ekv.	2,81E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,12E-02	5,41E-02	5,63E+00	0,00E+00	0,00E+00
PM	Disease incidence	1,94E-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,66E-10	3,66E-09	1,03E-07	0,00E+00	0,00E+00
IRP	kBq U235 ekv.	1,00E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	1,15E-03	9,35E-01	0,00E+00	0,00E+00
ETP- fw	CTUe	4,98E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,93E-02	1,08E-01	1,30E+02	0,00E+00	0,00E+00
HTP-c	CTUh	1,28E-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,40E-12	8,67E-12	4,25E-09	0,00E+00	0,00E+00
HTP- nc	CTUh	1,86E-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,16E-11	4,43E-10	8,50E-07	0,00E+00	0,00E+00
SQP	dimensionless	3,62E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,08E-02	3,88E-01	1,72E+01	0,00E+00	0,00E+00
Acronyms	**GWP-GHG** = this indicator includes all greenhouse gases except biogenic uptake and emissions of carbon dioxide and biogenic carbon stored in the product; as such the indicator is identical to GWP-total except that the CF for biogenic CO 2 is set to zero, **PM** = Potential incidence of disease due to PM emissions, **IRP** = Potential Human exposure efficiency relative to U235, **ETP-fw** = Potential Comparative Toxic Unit for ecosystems, **HTP-c** = Potential Comparative Toxic Unit for humans, **HTP-nc** = Potential Comparative Toxic Unit for humans, **SQP** = Potential soil quality index															

[1] This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO_2 is set to zero.

Resource use indicators

Results per functional or declared unit															
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	5,01E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,39E-04	1,47E-02	9,46E+00	0,00E+00	0,00E+00
PERM	MJ	2,82E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	7,83E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,39E-04	1,47E-02	9,46E+00	0,00E+00	0,00E+00
PENRE	MJ	4,78E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,49E-01	7,54E-01	-2,89E+02	0,00E+00	0,00E+00
PENRM	MJ	1,38E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	3,37E+02	0,00E+00	0,00E+00
PENRT	MJ	6,16E+02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,49E-01	7,54E-01	4,81E+01	0,00E+00	0,00E+00
SM	kg	6,65E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,30E-04	1,39E-02	0,00E+00	0,00E+00
RSF	MJ	1,68E-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	3,35E-06	3,50E-04	0,00E+00	0,00E+00
NRSF	MJ	2,28E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m^3	1,74E-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,30E-03	1,03E-04	3,73E-02	0,00E+00	0,00E+00
Acronyms	**PERE** = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; **PERM** = Use of renewable primary energy resources used as raw materials; **PERT** = Total use of renewable primary energy resources; **PENRE** = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; **PENRM** = Use of non-renewable primary energy resources used as raw materials; **PENRT** = Total use of non-renewable primary energy re-sources; **SM** = Use of secondary material; **RSF** = Use of renewable secondary fuels; **NRSF** = Use of non-renewable secondary fuels; **FW** = Use of net fresh water														

Additional environmental information - Waste indicators

Results per functional or declared unit															
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	2,74E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,21E-08	9,80E-04	2,57E-01	0,00E+00	0,00E+00
Non-hazardous waste disposed	kg	5,58E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,73E-05	2,31E-02	1,60E+01	0,00E+00	0,00E+00
Radioactive waste disposed	kg	4,01E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,29E-10	2,87E-07	2,39E-04	0,00E+00	0,00E+00

Additional environmental information - Output flow indicators

Results per functional or declared unit															
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	1,86E-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Material for recycling	kg	4,96E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	kg	2,18E-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, electricity	MJ	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy, thermal	MJ	0,00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

The result tables shall only contain values or the letters "ND" (Not Declared). It is not possible to specify ND for mandatory indicators. ND shall only be used for voluntary parameters that are not quantified because no data is available.

Other environmental performance indicators

None

Additional environmental information

None

Differences versus previous versions

This is the first version of the EPD.

References

ČSN ISO 14025:2010 Environmentální značky a prohlášení - Environmentální prohlášení typu III - Zásady a postupy (Environmental labels and declarations - Type III environmental declarations - Principles and procedures)
ČSN EN 15804+A2:2020 Udržitelnost staveb - Environmentální prohlášení o produktu - Zásadní pravidla pro produktovou kategorii stavebních výrobků (Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products)
ČSN EN ISO 14040:2006 Environmentální management - Posuzování životního cyklu - Zásady a osnova (Environmental management - Life Cycle Assessment - Principles and Framework)
ČSN EN ISO 14044:2006 Environmentální management - Posuzování životního cyklu – Požadavky a směrnice (Environmental management - Life Cycle Assessment – Requirements and guidelines)
ČSN ISO 14063:2007 Environmentální management - Environmentální komunikace - Směrnice a příklady (Environmental management - Environmental communication - Guidelines and examples)
ČSN EN 15643-1:2011 Udržitelnost staveb - Posuzování udržitelnosti budov - Část 1: Obecný rámec (Sustainability of construction works - Sustainability assessment of buildings - Part 1: General framework)
ČSN EN 15643-2:2011 Udržitelnost staveb - Posuzování udržitelnosti budov - Část 2: Rámec pro posuzování environmentálních vlastností (Sustainability of construction works - Assessment of buildings - Part 2: Framework for the assessment of environmental performance)
ČSN EN 15942:2013 Udržitelnost staveb - Environmentální prohlášení o produktu - Formát komunikace mezi podniky (Sustainability of construction works - Environmental product declarations - Communication format business-to-business)
TNI CEN/TR 15941:2012 Udržitelnost staveb - Environmentální prohlášení o produktu - Metodologie výběru a použití generických dat (Sustainability of construction works - Environmental product declarations - Methodology for selection and use of generic data)
ČSN EN 16449:2014 Dřevo a výrobky na bázi dřeva - Výpočet obsahu biogenního uhlíku ve dřevě a přeměny na oxid uhličitý (Wood and wood-based products - Calculation of the biogenic carbon content of wood and conversion to carbon dioxide)
ILCD handbook - JRC EU, 2011
Zákon č. 541/2020 Sb. v platném znění (Zákon o odpadech); Act No. 541/2020 Coll., as amended (Waste Act)
Vyhláška č. 8/2021 Sb. Katalog odpadů – Katalog odpadů, (Decree No. 8/2021 Coll. Waste catalogue – Waste catalogue)
Nařízení Evropského parlamentu č. 1907/2006 o registraci, hodnocení, povolování a omezování chemických látek a o zřízení Evropské agentury pro chemické látky - REACH (registrace, evaluace a autorizace chemických látek); (Regulation (EC) No 1907/2006 of the European Parliament concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency - REACH (Registration, Evaluation and Authorisation of Chemicals)
Nařízení Evropského parlamentu a Rady (ES) č. 1272/2008 o klasifikaci, označování a balení látek a směsí, o změně a zrušení směrnic 67/548/EHS a 1999/45/ES a o změně nařízení (ES) č. 1907/2006 (nařízení CLP),
SimaPro LCA Package, Pré Consultants, the Netherlands, www.pre-sustainability.com
Ecoinvent Centre, www.Ecoinvent.org
Explanatory documents are available from the head of Technical Support of the EPD owner.

a) *Note: If EN 15804 is not used as the PCR, it is necessary to specify the basic valid PCR according to which the EPD was prepared.*

Independent verification of the declaration and data according to EN ISO 14025:2010			
CEN standard EN 15804+A2:2019 serves as the core PCR[a)]			
☐	internal	☒	external
Third party verifier [b]:			
Elektrotechnický zkušební ústav, s. p. Pod lisem 129/2, Troja, 182 00 Praha 8 Czech Republic ezú elektrotechnický zkušební ústav		Mgr. Miroslav Sedláček *Head of the Certification Body*	
Elektrotechnický zkušební ústav, s.p., the Certification Body No. 3018 accredited by Czech Accreditation Institute, o.p.s. according to ČSN EN ISO/IEC 17065:2013			
[a] *Products category rules* [b] *Optional for business-to-business communication, mandatory for business-to-consumer communication (see ISO 14025:2010, 9.4).*			

This document is a translation of the EPD issued in Czech.in cause of doubt use the Czech version of this EPD as a reference.

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