

Statement of Verification

BREG EN EPD No.: 000708

Issue 01

This is to verify that the
Environmental Product Declaration
provided by:
Breton S.p.A.



is in accordance with the requirements of:
EN 15804:2012+A2:2019
and
BRE Global Scheme Document SD207

This declaration is for:
1 kg of Lapitec Sintered Stone

Company Address

Breton S.p.A.
Via Bassanese 6
31050 Vedelago TV
Italy



LAPITEC

Signed for BRE Global Ltd

Hayley Thomson
Operator

10 June 2025
Date of this Issue

10 June 2025
Date of First Issue

09 June 2030
Expiry Date



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Environmental Product Declaration

EPD Number: **000708**

General Information

EPD Programme Operator	Applicable Product Category Rules
BRE Global Watford, Herts WD25 9XX United Kingdom	BRE 2023 Product Category Rules (PN 514 Rev 3.1) for Type III environmental product declaration of construction products to EN 15804+A2+A:2019
Commissioner of LCA study	LCA consultant/Tool
Breton S.p.A. Via Bassanese 6 31050 Veduggio TV Italy	LCA consultant. Regina Poveda BRE LINA A2
Declared/Functional Unit	Applicability/Coverage
1 kg of Lapitec Sintered Stone	Other (please specify). Product specific.
EPD Type	Background database
Cradle to Gate with Module C and D	Ecoinvent 3.8
Demonstration of Verification	
CEN standard EN 15804 serves as the core PCR ^a	
Independent verification of the declaration and data according to EN ISO 14025:2010 <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External	
(Where appropriate ^b)Third party verifier: Bala Subramanian	
a: Product category rules b: Optional for business-to-business communication; mandatory for business-to-consumer communication (see EN ISO 14025:2010, 9.4)	
Comparability	
Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A2:2019. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See Clause 5.3 of EN 15804:2012+A2:2019 for further guidance	

Information modules covered

Product			Construction		Use stage							End-of-life				Benefits and loads beyond the system boundary
					Related to the building fabric				Related to the building							
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw materials supply	Transport	Manufacturing	Transport to site	Construction – Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse, Recovery and/or Recycling potential
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				

Note: Ticks indicate the Information Modules declared.

Manufacturing site(s)

Breton S.p.A.
Via Bassanese 6
31050 Vedelago TV
Italy

Construction Product:

Product Description

Lapitec Sintered Stone is manufactured by Breton S.p.A. Lapitec S.p.A is an Italian company, part of the Breton Group, based near Treviso in the north of Italy.

Lapitec Sintered Stone is an industrial product made of a wet mixture of natural minerals, without use of resin or cement, cold-formed by means of vibro-compression under vacuum and consolidated, after drying, by sintering. It is produced in large slabs using patented technology, which can be used both indoors and outdoors. It is available in various surface finishes.

Although Lapitec Sintered Stone is available to the end-user in standard dimensions and thicknesses, other dimensions are available and should be used multiple modules in the 750 mm size to optimize the design. All of Lapitec Sintered Stone dimensions follow the same manufacturing process and material recipe remains the same. Therefore, in this EPD, the LCA results are specific for 1 kg of Lapitec Sintered Stone.

Technical Information

Technical characteristics	Standard	Value
Standard dimensions	EN 14617-16	3440 x 1540 (12-20 mm) 3400 x 1500 (30 mm)
Thicknesses	EN 14617-16	12-20-30 mm
Specific weight	EN 14617-1	2,4÷2,53 kg/dm ³
Water absorption	EN 14617-1	0.02%
Flexural strength	EN 14617-2	44 MPa
Deep abrasion resistance	EN 14617-4	29 mm
Mohs hardness	ASTM C1895-20	7

Technical characteristics	Standard	Value
Frost and thaw resistance	EN 14617-5	95%
Thermal shock resistance coefficient	EN 14617-6	-3.7%
Impact resistance	EN 14617-9	1.1 Joule (12 mm) 2.68 Joule (20 mm)
Fire reaction	EN 13501-1	A1
Thermal conductivity	EN 15285	0.023 W /mK

Note: Technical characteristics are the same for the product group. More Technical information available in Lapitec's Technical Assistance website <https://www.lapitec.com/en/technical-assistance>.



Main Product Contents

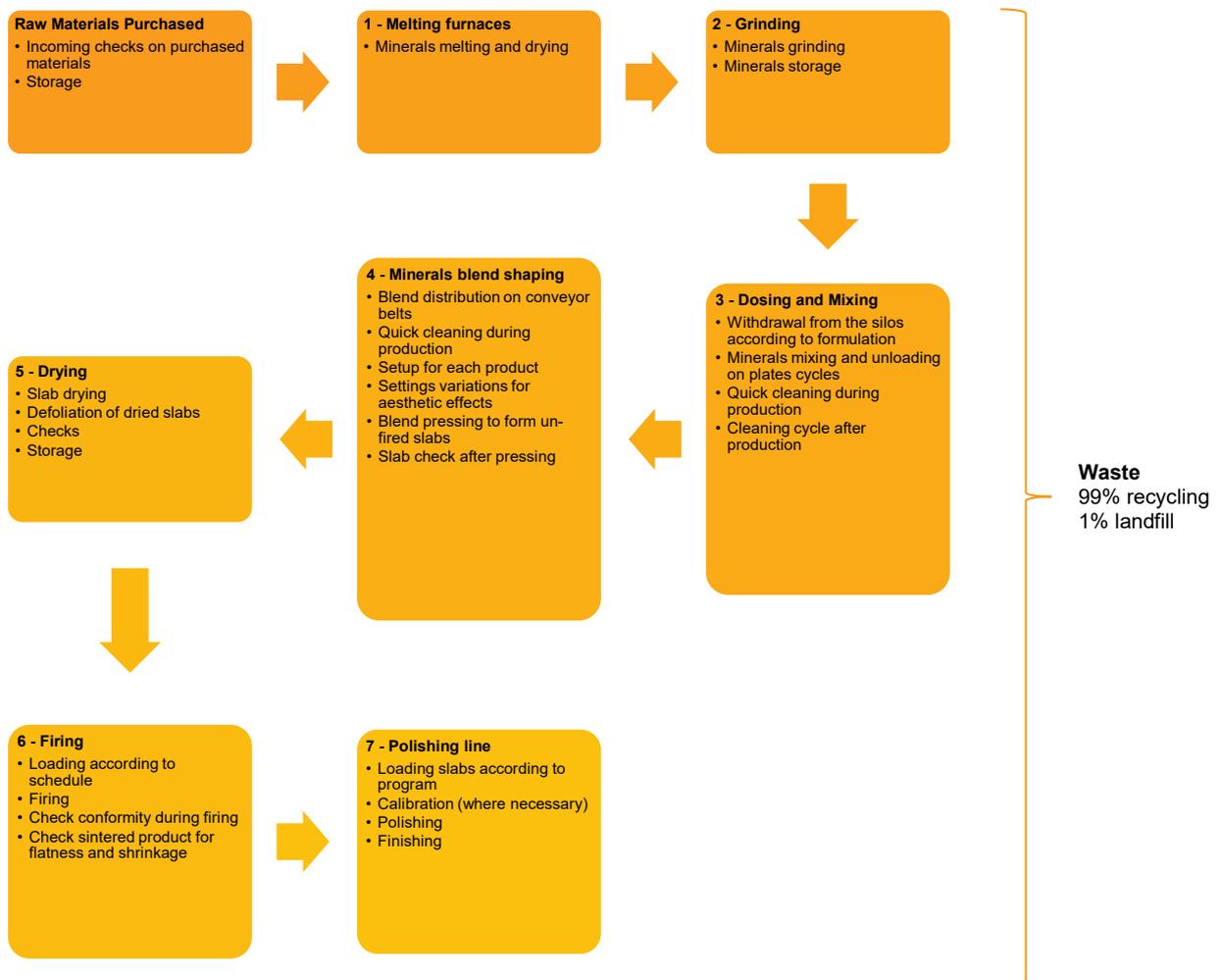
Material/Chemical Input	%
Minerals	75
Silica sand	16
Other additives	9

Note: The above product content is for all Lapitec Sintered Stone covered in this EPD.

Manufacturing Process

Once received and tested, a mix of raw materials is melted up to 1600°C and then ground to a fine powder. When required, the ground raw materials are taken from silos in measured quantities to be mixed. Water is added to the powdered raw materials and a homogenous mixture created. The mixture is pressed into slab shapes and slabs are dried at 200°C prior to entry in the kiln where they are sintered at temperatures up to 1200°C. After cooling, the now silica free slabs are then polished or textured (depending on the required aesthetics of the final product) and are packaged for dispatch or storage. According to the Brenton S.p.A single model of environmental declaration, the waste produce by manufacturing Lapitec Sintered Stone is sent to recycling (99%) and to landfill (1%).

Process flow diagram



Construction Installation

Lapitec Sintered Stone can be installed with any composition layout. There are specific Installation manuals depending on the use. Regardless of its application it is advised to follow the basic installations steps such as, to check measurements, store the material in a suitable place, check essential requirement particularly those related to conditions of the substrate and ambient conditions, preparation and application of adhesive and if spacers are used for the gaps, take into account the recommended installation gaps measurements. This module is not covered in this EPD.

End of Life

This stage includes the Demolition (C1), Transport (C2), Waste processing (C3) and Disposal (C4) of Lapitec Sintered Stone End-of-Life.

The demolition approach employed for the building will differ considerably on a site-by-site basis due to its dependence on various factors, such as construction methodology and local geography. Due to the products value, it is advised that the dismantling process is done manually with a heavy hammer and broad cold chisel for large lumps to facilitate material recovery.

1 kg of Lapitec Sintered Stone might be reuse and recyclability, thus 100% of the product will be recovered from the deconstructions site and 80% will be sent to the recycling facility, 10% will be reuse and remaining 10% is considered as natural lost during the processing stage, therefore it will end in landfill.

This End-of-Life scenario is based on floor finish (tiles) porcelain industrial average scenario by referencing BRE 2023 PCR PN514 Rev 3.1. for the LCA modelling. i.e. 10% landfill, 80% recycling and 10% reuse.

Life Cycle Assessment Calculation Rules

Declared / Functional unit description

1 kg of Lapitec Sintered Stone

System boundary

The System Boundary of the LCA is defined using the modular approach set out in EN15804:2012+A2:2019 and BRE 2023, Product Category Rules (PN 514 Rev3.1). This Cradle to Gate with modules C and D includes the Product Stage (A1 - A3), End of Life (C1 - C4) and Benefits and Loads beyond the System Boundary (D).

Data sources, quality and allocation

Specific primary data derived from the Lapitec Sintered Stone production process in Breton S.p.A, Via Bassanese 6, 31050 Vedelago TV, Italy factory, have been modelled using BRE LINA A2 and the ecoinvent 3.8 database. In accordance with the requirements of EN 15804:2012+A2:2019, the most current available data has been used. The manufacturer specific data from Brenton S.p.A covers a period of one year from 01 July 2022 to 30 June 2023. Secondary data has been obtained for all other upstream and downstream processes that are beyond the control of the manufacturer (i.e. raw material production) from the ecoinvent 3.8 database. All ecoinvent datasets are complete within the context used and conform to the system boundary and the criteria for the exclusion of inputs and outputs, according to the requirements specified in EN 15804:2012+A2:2019.

At the Brenton S.p.A manufacturing site, Lapitec Sintered Stone is fabricated in standard dimensions of 3440 x 1540 mm with thicknesses of 12–20 mm and 3400 x 1500 mm with a thickness of 30 mm. It could also be shape according to the end-user needs as long as the product complies with use of multiple modules in the 750 mm size. No other products are manufactured at this facility.

Therefore, 100% of the ancillary materials, packaging, electricity, water, emissions, and water consumption and discharge are allocated to product production and this been allocated by using mass allocation. As part of the energy type, the roof photovoltaics panels which are based on site are considered to model the LCA. All quantities have been taken from actual usage data.

In the cases where the specific data for materials was not available, a proxy was used to model the LCA. Quicklime, milled, loose was used as a proxy for Calcium oxide; Carboxymethyl cellulose powder was used as a proxy for 2-Hydroxyethyl cellulose, Feldspar was used for Nepheline syenite and Felspato sodico potassico, and unspecified organic chemical was used for Esacol-hydrocolloid and binder.

ISO14044 guidance. Quality Level	Geographical representativeness	Technical representativeness	Time representativeness
Good	Average data from larger area in which the area under study is included	Data from processes and products under study (with similar technology). Evidence of deviations in state of technology, e.g. different by-product.	Less than 5 years of difference between the reference year according to the documentation, and the time period for which data are representative

Specific Italy and Europe datasets have been selected from the ecoinvent LCI for this LCA. The quality level of geographical and technical representativeness is therefore good. The quality level of time representativeness is good as the background LCI datasets are based on ecoinvent v3.8 which was compiled in 2022. Therefore, there is less than 5 years between the ecoinvent LCI reference year and the period for which the LCA was undertaken.

Italy Consumption mix and solar electricity were used for electricity with emissions factor of 0.153 kgCO_{2e}/kWh and 0.0207 kgCO_{2e}/kWh. Europe Natural gas data (at industrial furnace) was used with an emissions factor of 0.0713 kgCO_{2e}/kWh.

Cut-off criteria

All processes associated with the manufacturing process have been included. All inputs or outputs have been included and all raw materials, ancillary, packaging, transport, energy and fuels, water consumption, emissions to air, wastes, other non-production wastes and wastewater leaving site are included, except for emissions to water and soil. Upstream extraction and/or processing of inputs are included within the use of the background datasets within LINA.

LCA Results

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts			GWP-total	GWP-fossil	GWP-biogenic	GWP-luluc	ODP	AP	EP-freshwater
			kg CO ₂ eq	kg CFC11 eq	mol H ⁺ eq	kg (PO ₄) ³⁻ eq			
Product stage	Raw material supply	A1	2.68E-01	2.75E-01	-7.90E-03	5.70E-04	5.05E-08	1.72E-03	1.33E-04
	Transport	A2	1.11E-01	1.11E-01	9.44E-05	4.36E-05	2.56E-08	4.50E-04	7.15E-06
	Manufacturing	A3	2.05E+00	2.00E+00	4.58E-02	9.29E-04	2.60E-07	4.93E-03	4.45E-04
	Total	A1-3	2.43E+00	2.39E+00	3.80E-02	1.54E-03	3.37E-07	7.10E-03	5.85E-04
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	1.66E-02	1.66E-02	1.42E-05	6.53E-06	3.85E-09	6.75E-05	1.07E-06
	Waste processing	C3	2.64E-03	2.64E-03	9.32E-07	2.64E-07	5.64E-10	2.74E-05	8.18E-08
	Disposal	C4	1.06E-03	1.05E-03	8.10E-06	1.07E-06	3.20E-10	8.88E-06	3.06E-07
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-7.58E-03	-7.47E-03	-9.67E-05	-1.05E-05	-6.02E-10	-4.81E-05	-4.07E-06

GWP-total = Global warming potential, total;
 GWP-fossil = Global warming potential, fossil;
 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; and
 EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts			EP-marine	EP-terrestrial	POCP	ADP-mineral & metal	ADP-fossil	WDP	PM
			kg N eq	mol N eq	kg NMVOC eq	kg Sb eq	MJ, net calorific value	m ³ world eq deprived	disease incidence
Product stage	Raw material supply	A1	3.27E-04	3.57E-03	9.73E-04	2.68E-06	4.10E+00	2.56E-01	1.80E-08
	Transport	A2	1.35E-04	1.48E-03	4.53E-04	3.86E-07	1.68E+00	7.54E-03	9.56E-09
	Manufacturing	A3	9.12E-04	9.25E-03	3.07E-03	2.60E-06	3.48E+01	1.13E+00	2.27E-08
	Total	A1-3	1.37E-03	1.43E-02	4.50E-03	5.67E-06	4.06E+01	1.39E+00	5.03E-08
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	2.03E-05	2.22E-04	6.80E-05	5.78E-08	2.51E-01	1.13E-03	1.43E-09
	Waste processing	C3	1.22E-05	1.33E-04	3.66E-05	1.36E-09	3.62E-02	8.37E-05	6.68E-09
	Disposal	C4	3.06E-06	3.33E-05	9.64E-06	3.44E-09	2.47E-02	1.11E-03	1.78E-10
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.11E-05	-1.33E-04	-3.44E-05	-7.06E-08	-1.10E-01	-1.44E-02	-6.07E-10

EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment;
 EP-terrestrial = Eutrophication potential, accumulated exceedance;
 POCP = Formation potential of tropospheric ozone;
 ADP-mineral&metals = Abiotic depletion potential for non-fossil resources;

ADP-fossil = Depletion potential of the stratospheric ozone layer;
 WDP = Water (user) deprivation potential, deprivation-weighted water consumption; and
 PM = Particulate matter.

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

			Parameters describing environmental impacts				
			IRP	ETP-fw	HTP-c	HTP-nc	SQP
			kBq U ²³⁵ eq	CTUe	CTUh	CTUh	dimensionless
Product stage	Raw material supply	A1	3.45E-02	3.24E+01	7.09E-10	1.38E-08	4.33E+00
	Transport	A2	8.61E-03	1.31E+00	4.24E-11	1.37E-09	1.15E+00
	Manufacturing	A3	2.62E-01	9.34E+00	4.13E-09	8.60E-09	3.77E+00
	Total	A1-3	3.05E-01	4.31E+01	4.88E-09	2.37E-08	9.25E+00
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	1.29E-03	1.96E-01	6.35E-12	2.06E-10	1.73E-01
	Waste processing	C3	1.63E-04	2.12E-02	8.20E-13	1.54E-11	4.61E-03
	Disposal	C4	1.17E-04	1.76E-02	7.58E-13	1.18E-11	5.92E-02
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.70E-03	-1.27E-01	-7.39E-12	-1.34E-10	-1.01E-01

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; and
 SQP = Potential soil quality index.

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing resource use, primary energy			PERE	PERM	PERT	PENRE	PENRM	PENRT
			MJ	MJ	MJ	MJ	MJ	MJ
Product stage	Raw material supply	A1	3.22E-01	1.73E-01	4.95E-01	4.50E+00	3.52E-01	4.86E+00
	Transport	A2	2.36E-02	0.00E+00	2.36E-02	1.64E+00	0.00E+00	1.64E+00
	Manufacturing	A3	7.63E+00	2.88E-01	7.92E+00	4.93E+01	1.89E-01	4.94E+01
	Total	A1-3	7.98E+00	4.61E-01	8.44E+00	5.54E+01	5.41E-01	5.59E+01
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	3.54E-03	0.00E+00	3.54E-03	2.47E-01	0.00E+00	2.47E-01
	Waste processing	C3	2.03E-04	0.00E+00	2.03E-04	3.55E-02	0.00E+00	3.55E-02
	Disposal	C4	4.22E-04	0.00E+00	4.22E-04	2.43E-02	0.00E+00	2.43E-02
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.03E-02	0.00E+00	-1.03E-02	-2.20E-01	0.00E+00	-2.20E-01

PERE = Use of renewable primary energy excluding renewable primary energy used as raw materials;
 PERM = Use of renewable primary energy resources used as raw materials;
 PERT = Total use of renewable primary energy resources;

PENRE = Use of non-renewable primary energy 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 resource

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing resource use, secondary materials and fuels, use of water			SM	RSF	NRSF	FW
			kg	MJ net calorific value	MJ net calorific value	m ³
Product stage	Raw material supply	A1	4.39E-04	0.00E+00	0.00E+00	6.11E-03
	Transport	A2	0.00E+00	0.00E+00	0.00E+00	1.87E-04
	Manufacturing	A3	2.62E-03	0.00E+00	0.00E+00	2.74E-02
	Total	A1-3	3.06E-03	0.00E+00	0.00E+00	3.37E-02
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	0.00E+00	0.00E+00	0.00E+00	2.80E-05
	Waste processing	C3	0.00E+00	0.00E+00	0.00E+00	2.07E-06
	Disposal	C4	0.00E+00	0.00E+00	0.00E+00	2.62E-05
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-1.18E-04	0.00E+00	0.00E+00	-3.39E-04

SM = Use of secondary material;
RSF = Use of renewable secondary fuels;

NRSF = Use of non-renewable secondary fuels;
FW = Net use of fresh water

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

			Other environmental information describing waste categories		
			HWD	NHWD	RWD
			kg	kg	kg
Product stage	Raw material supply	A1	2.03E-01	1.99E+00	1.53E-05
	Transport	A2	1.84E-03	3.27E-02	1.13E-05
	Manufacturing	A3	8.61E-02	1.86E+00	7.22E-05
	Total	A1-3	2.91E-01	3.88E+00	9.88E-05
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	2.77E-04	4.92E-03	1.70E-06
	Waste processing	C3	4.75E-05	3.34E-04	2.50E-07
	Disposal	C4	4.80E-05	1.01E-01	1.48E-07
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	-6.33E-04	-1.93E-02	-5.62E-07

HWD = Hazardous waste disposed;
 NHWD = Non-hazardous waste disposed;
 RWD = Radioactive waste disposed

LCA Results (continued)

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Other environmental information describing output flows – at end of life								
			CRU	MFR	MER	EE	Biogenic carbon (product)	Biogenic carbon (packaging)
			kg	kg	kg	MJ per energy carrier	kg C	kg C
Product stage	Raw material supply	A1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	A2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Manufacturing	A3	0.00E+00	5.03E-03	5.43E-11	0.00E+00	3.78E-08	-4.02E-03
	Total	A1-3	0.00E+00	5.03E-03	5.43E-11	0.00E+00	3.78E-08	-4.02E-03
End of life	Deconstruction, demolition	C1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Transport	C2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Waste processing	C3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Disposal	C4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Potential benefits and loads beyond the system boundaries	Reuse, recovery, recycling potential	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CRU = Components for reuse;
MFR = Materials for recycling

MER = Materials for energy recovery;
EE = Exported Energy

Scenarios and additional technical information

Scenarios and additional technical information			
Scenario	Parameter	Units	Results
Reference service life	Reference Service Life of Lapitec Sintered Stone is provided by warranty based on installation, care and maintenance.		
	Residential worktops. Lapitec Warranty Vers. 1/2020.	Years	25
	Floor, walls and facades. Lapitec Warranty Vers. 1/2020.	Years	25
C1 – Deconstruction	<p>When Lapitec Sintered Stone reaches its End-of-Life, it will be removed manually from the deconstruction site without using any power tools. Therefore, there is no impact associated with this module.</p> <p>Once removed from the building 80% of the product will be sent to the recycling and reuse facilities, the unrecovered one will be sent to landfill. This End-of-Life scenario is based on floor finish (tiles) porcelain industrial average scenario by referencing BRE 2023 PCR PN514 Rev 3.1. for the LCA modelling. i.e. 10% landfill, 80% recycling and 10% reuse.</p>		
C2 - Transport	100 km by road has been modelled from module C2 as an average distance from the demolition site to the waste processing plant. However, end-user of the EPD can use this information to calculate the impacts of a bespoke transport distance for module C2 if required.	Lorry	16 -32 metric ton
	Transport distance	km	100
C3 – Waste processing	The floor finish (tiles) porcelain has been selected as the average industrial End-of-Life scenario for Lapitec Sintered Stone by referencing BRE 2023 PCR PN514 Rev 3.1. for the LCA modelling. i.e 10% landfill, 80% recycling and 10% reuse.		
	80% recycled.	kg	0.80
	10% reuse	kg	0.10
C4 - Disposal	10% to landfill	kg	0.10
Module D	“Benefits and loads beyond the system boundary” (module D) accounts for the environmental benefits and loads resulting from net scrap that is used as raw material in the new system. The calculation assumes that there is no yield-loss during the recycling processes.		
	Benefits due to recycling	kg	0.80
	Benefits due to reuse	kg	0.10

Interpretation of results

The graph in Figure 1 shows that the total GWP value for the production stage of 1kg of Lapitec Sintered Stone is 2.68E-01 kg CO₂ eq. The highest GWP contribution is in the Product stage i.e manufacturing process (A3).

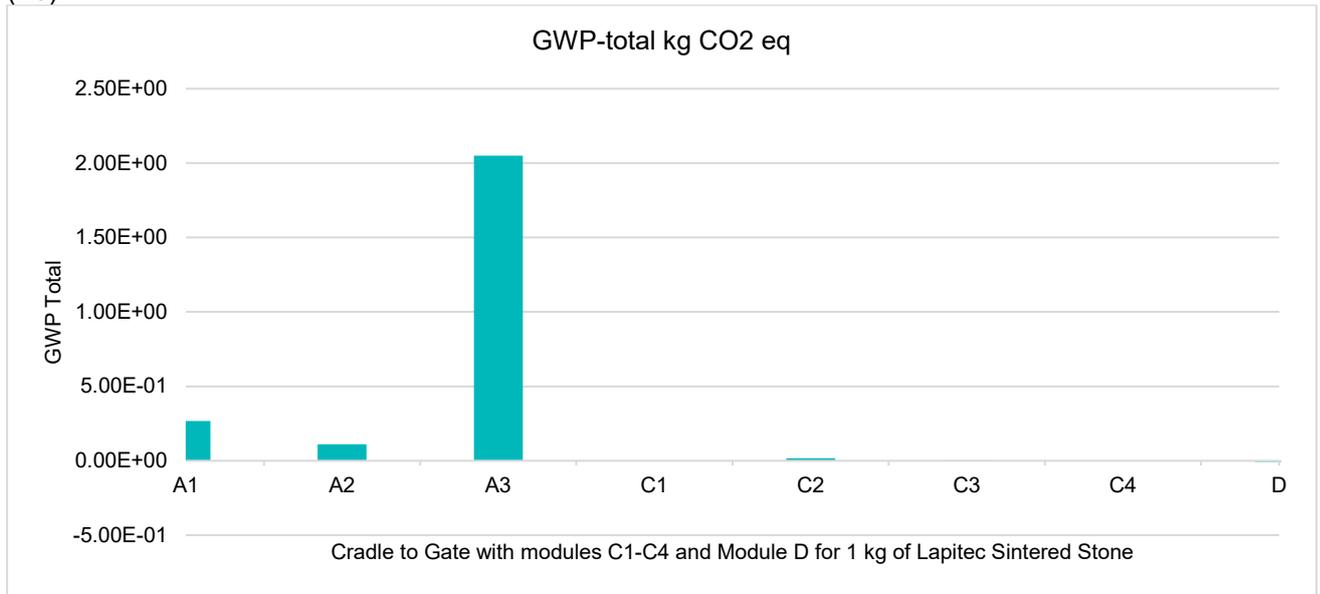


Figure 1. GWP total of 1 kg of Lapitec Sintered Stone.

Figure 2 shows that 52.0% of GWP total is cause by Natural Gas, follow by a 15.8% by Electricity in the Product Stage, manufacturing process (A3).

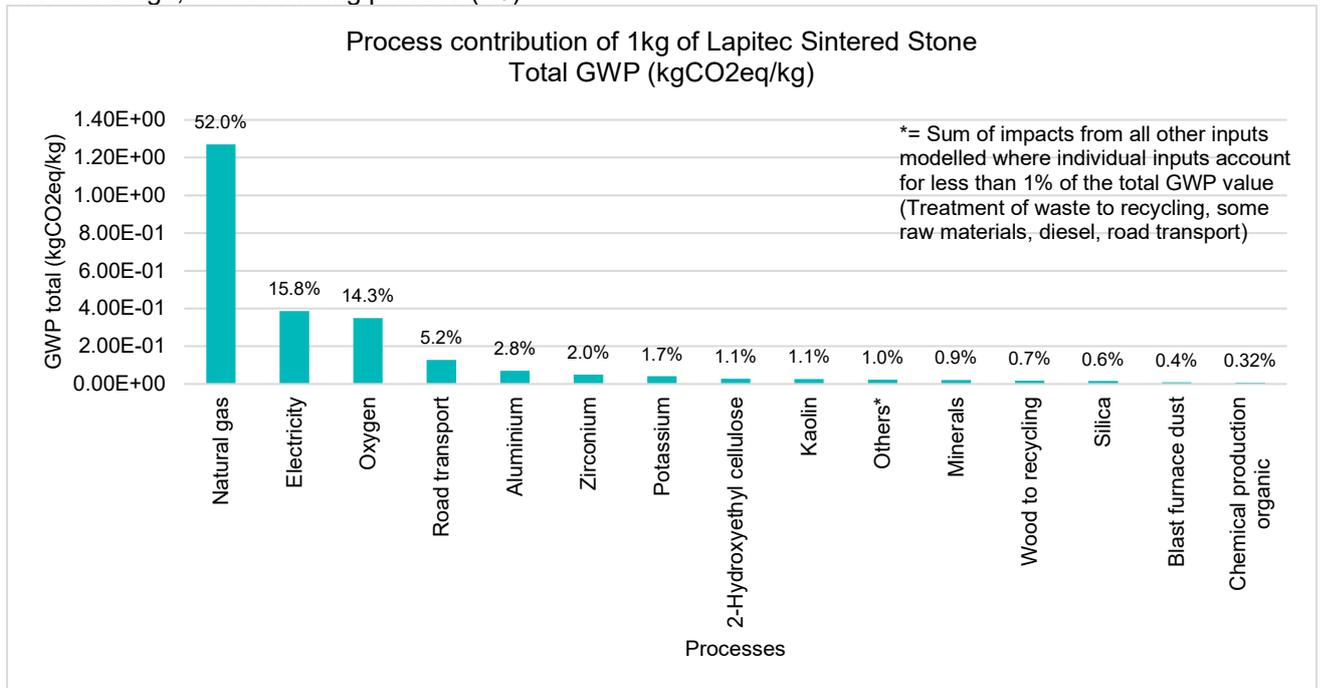


Figure 2. GWP total of 1 kg of Lapitec Sintered Stone – Process contribution.

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