



TERREAL

Terre de votre imagination

Environmental and Sanitary Declaration Sheet of the Product (FDES) **PITERAK SLIM**

In accordance with the standards NF EN ISO 14025, NF EN 15804+A1

October 2017



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Warning

The information contained in this declaration are provided under the responsibility of Terreal (producer of the EPD) according to the standards NF EN 15804+A1 and the national complement NF EN 15804/CN

Any exploitation, total or partial, of the information provided in this document must at least be accompanied by the complete registration to the FDES and its producer who will be able to give a complete copy

It is recalled that the results of the study are based only on facts, circumstances and assumptions that were submitted during the study. If these facts, circumstances and assumptions differ, the results are subject to change

In addition, the results of the study should be considered as a whole, in relation to the assumptions, and not in isolation.

EN 15804 + A1 and the national supplement NF EN 15804 / CN of CEN serve as the Product Category Definition Rules (RCP)

Reading Guide

The display of the inventory data complies with the requirements of NF EN 15804 + A1.

In the following tables 2.53E-06 should be read: 2.53x10⁻⁶ (scientific writing).

The units used are specified in front of each flow, they are:

- the kilogram "kg"
- the gram "g"
- the liter "l"
- the kilowatt hour "kWh"
- the megajoule "MJ".

Abbreviations:

- LCA: Lifecycle Analysis
- DVR: Reference Lifetime
- UF: Functional Unit
- PCI: Lower Calorific Value

Precaution of use of th FDES for the comparison of products

FDES of construction products may not be comparable if they do not comply with NF EN 15804 + A1.

The NF EN 15804 + A1 standard defined in § 5.3 Comparability of the FDES for construction products, the conditions under which the construction products can be compared, on the basis of the information provided by the FDES:

"A comparison of the environmental performance of construction products using FDES information should be based on the use of the products and their impacts on the building and should take into account the entire life cycle Information)".

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1 INTRODUCTION

The scope used for the presentation of the environmental statement produced is based on the national supplement NF EN 15804 / CN.

This sheet is a suitable framework for presenting the environmental characteristics of construction products in accordance with the requirements of NF EN 15804 + A1, its national supplement NF EN 15804 / CN and the provision of additional comments and information in the Respect of the spirit of this standard in terms of sincerity and transparency

An accompanying report of the declaration has been prepared and it can be consulted, under confidentiality agreement, at the head office of TERREAL

The information contained in this declaration is provided under the responsibility of TERREAL.

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2 GENERAL INFORMATION

- 2.1 Name and address of suppliers :
TERREAL, 15 rue Pages, 92150 Suresnes
- 2.2 Manufacturer's site for which the FDES is representative :
Soladriho à Entrocamento (Portugal)
- 2.3 Type of FDES : from cradle to grave
- 2.4 Type of FDES : individual
- 2.5 Date of publication : Octobre 2017
- 2.6 Date of expiry : Octobre 2022
- 2.7 Product reference/ identification product : PITERAK SLIM (6 references are included : Piterak Slim 20, Piterak Slim 25, Piterak Slim 30, Piterak Slim 40, Piterak Slim 50, Piterak Slim 60)
- 2.8 FDES verified

The NF EN 15804+A1 standard and the national supplement NF EN 15804/CN du CEN sert de RCP a).	
Independant verification of the declaration according to EN ISO 14025:2010	
<input type="checkbox"/> intern <input checked="" type="checkbox"/> extern	
Third part Verification:	
	<i>Name of auditor</i> : Sébastien LASVAUX <i>Verification Program</i> : Programme FDES-INIES <i>Adress</i> : Association HQE. 4, avenue du Recteur Poincaré - 75016 Paris. <i>Web Site</i> : www.base-inies.fr
a) Rules for defining products categories b) Optional for communication between undertaking, mandatory for communication between an undertaking and its customers (see EN ISO 14025:2010, 9.4).	

3 DESCRIPTION OF THE FUNCTIONAL UNIT

- 3.1 Description of the functional unit (or declared unit) :
- « To ensure the external wall facing function on 1m² of vertical or horizontal wall, for a reference life of 100 years »

3.2 Produc description :

PITERAK SLIM is an overlay clay board, which allows it to be attached to a metal frame using a stainless steel clip. It is installed in ventilated exterior wall cladding for vertical or horizontal wall. Metal frame is excluded of this LCA.

3.3 Description of the use of the product (scope) :

PITERAK SLIM is a wall cladding product used to cover external wall. It holds a Technical Agreement available to CSTB web site (<http://evaluation.cstb.fr/avis-technique/>)

3.4 Other technical characteristics not included in the functional unit :

PITERAK SLIM is classified Q4 for impact resistance (according to Cahiers du CSTB 3546-V2 et 3534). Tests have been released by CSTB and are referenced CLC 09-26017817 (10/02/2009), CLC 09-26018891/A (18/05/2009) and CLC 09-26021759 (2/10/2009).

3.5 Description of main components and materials of the product :

Parameter	Units	Value
Amount of product	kg/m ²	48.5
Amount of complementary product	kg/m ²	Stainless steel clip : 0.49
Distribution Packaging	kg/m ²	Palette : 1.25 kg/m ² Plastic strapping : 0.02 kg/m ² Film PET : 0.006kg
Loss rate during implementation	%	0
Loss rate during maintenance	%	Not concerned
Justification of the information provided	-	Information provided by TERREAL

3.6 Specify whether the product contains substances from the candidate list under the REACH regulation (if greater than 0,1% en masse)

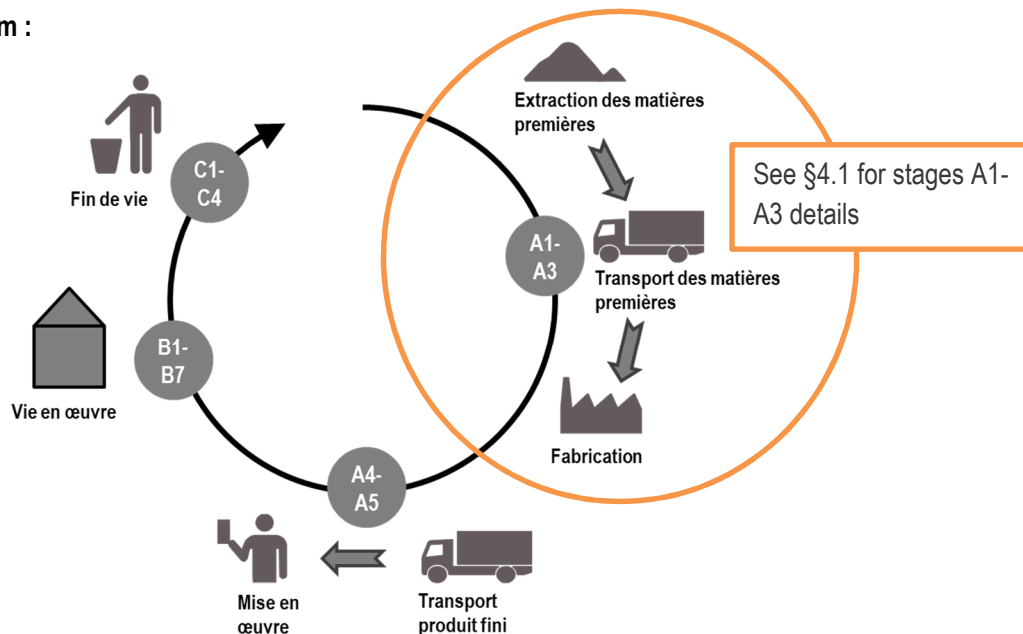
The product does not contain any substances from the candidate list according to REACH to more than 0.1% by mass.

3.7 Description of reference service life (if applicable and in accordance with §7.2.2 of NF EN 15804+A1)

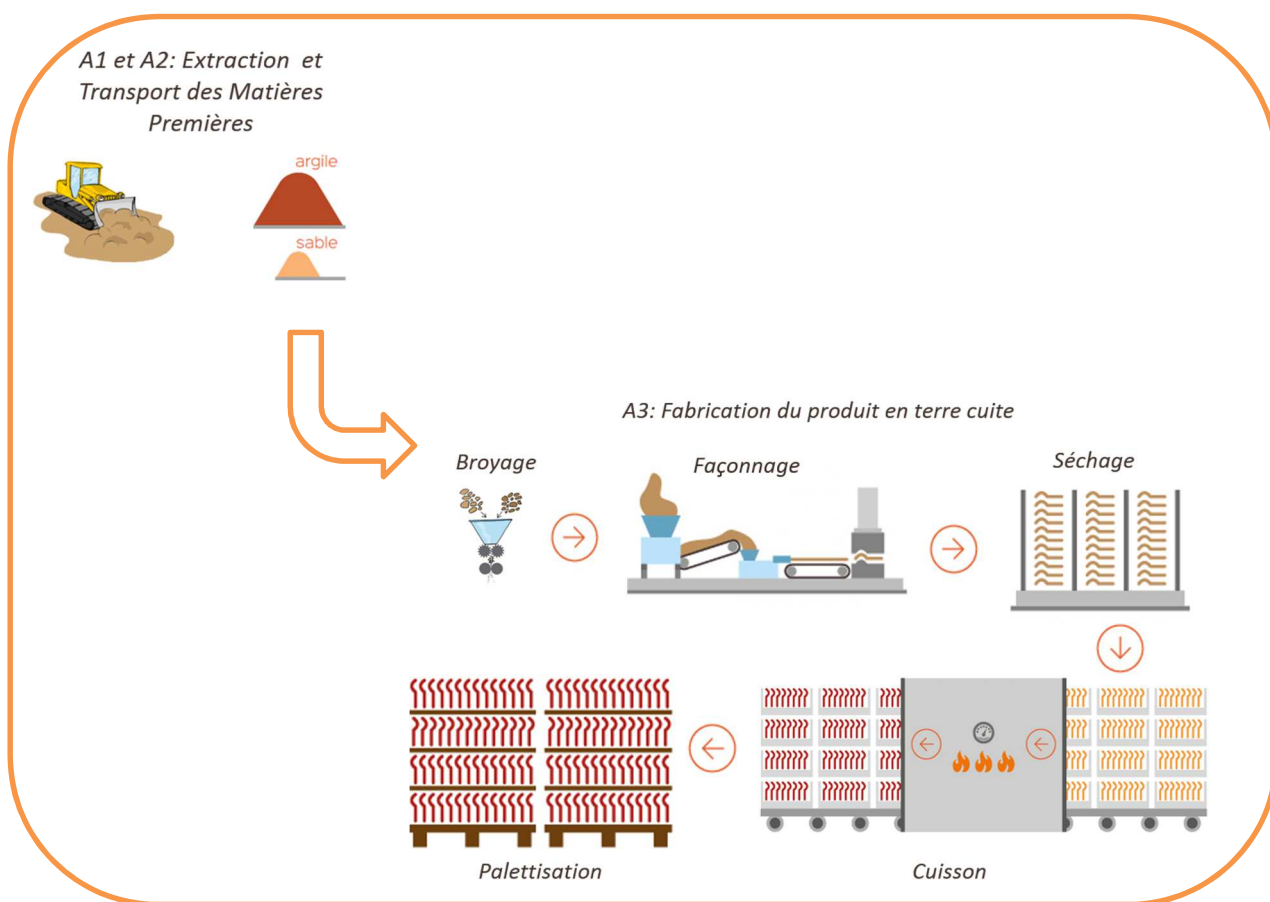
Parameter	Units	Value
Reference life	Years	100
Presumed quality of work	-	The quality of work is presumed conform to the manufacturer's recommendation
Outdoor environment	-	-
Indoor environment	-	PITERAK SLIM is a wall cladding product for external use. It is not concerned.
Terms of use	-	The use of the product is assumed conform to manufacturer's recommendation
Maintenance	-	Not concerned

4 STAGES OF LIFE CYCLE

Product Life cycle Diagram :



4.1 Product Stage, A1-A3



Steps A1 à A3 include all processes from the extraction of the raw materials to their conversion into factory.

100% of cooked scrap are reused by manufacturing plant in fabrication mix composition. Cooked scrap is used as degreasing.

4.2 Construction process Stage, A4-A5

Transport to construction site (if applicable):

Parameter	Units	Value
Fuel type and vehicle consumption or vehicle type		Considered vehicles are EURO4 trucks et 16-32 tons payload
Distance to construction site	km	1578 (PITERAK SLIM) 1236 (Sainless steel clip)
Capacity of use	%	36.25% (generic data from Ecoinvent v3.3 database)
Density of transported product	kg/m ³	1522
Coefficient of capacity utilization		-
Scénario description		*PITERAK SLIM is delivered by truck from manufacturing plant to construction site (not intermediate storage center). The transport distance is the transport distance average travelled in 2016 from manufacturing plant to construction site in France. *Stainless steel clip are received in TERREAL manufacturing plant (Revel 81) and delivered to construction site. The transport distance is the transport distance average travelled in 2016 from provider to construction site in France (through Revel).

Installation in the building (if applicable):

Parameter	Units	Value
Auxiliary inputs for installation (specified by material)	Appropriates units	-
Water Consumption	m ³	-
Utilisation of other ressources	Kg	-
Energy consumption and type	kWh ou MJ	-
Wastes generated at construction site before the traitement of the waste generated by the installation of the product (specified by type)	Kg/m ²	Palette : 1.25 Plastic strapping : 0.02 Film PET : 0.006
Materials (specified by type) produced by waste treatment on construction site (ex : collect for recycling, ...)	kg	-
Direct emissions in ambient air, soil and water	kg	-
Scénario description		Implementation is manual and does not require any specific tool. There is therefore no consumption. There is no drop/discard in the implementation thanks to the realization of layout (calepinage) made upstream Wastes transport is based on Ecoinvent v3.3 datebase.

4.3 Use Stage (excluding potential savings), B1-B7

B1 Utilisation (if applicable):

Parameter	Units	Value/description
Scenario description		Not concerned

B2 Maintenance (if applicable):

Parameter	Units	Value/description
Scenario description		No maintenance should be considered under normal conditions of use.

B3 Reparation (if applicable):

Parameter	Units	Value/description
Scenario description		No maintenance should be considered under normal conditions of use

B4 Replacement (if applicable):

Parameter	Units	Value/description
Scenario description		No replacement should be considered under normal conditions of use

B5 Rehabilitation (if applicable):

Parameter	Units	Value/description
Scenario description		No rehabilitation should be considered under normal conditions of use

B6 – B7 Utilisation de l'énergie et de l'eau (if applicable):

Parameter	Units	Value/description
Scenario description		Not concerned.



4.4 End of Life Stage C1-C4 :

Parameter	Units	Value/description
Quantity collected separatly	Kg/m ²	48.5
Amount collected with mixed construction wastes	kg	-
Quantity for reuse	kg	-
Quantity of recycling	Kg/m ²	45.978
Quantity of energy recovery	kg	-
Quantity of product landfilled	kg	2.522
Scenario description		PITERAK SLIM is sent to an inert waste storage center by truck (type EURO4, 16-32 tons payload) : 5.2% is buried and 94.7% is crushed and used as backfill. Transport distance between construction site and storage center is estimated at 30km; burying is made in storage center.

4.5 Potential for recycling / reuse / recovery, D

Parameter	Units	Value/description
Upgraded quantity	Kg/m ²	45.978
Scenario description		Wastes from upgraded material are used for backfill as a substitute for gravel.

5 INFORMATION FOR THE CALCULATION OF THE LIFE CYCLE ANALYSIS

PCR used	NF EN 15804+A1 and NF EN 15804/CN.
System boundaries	The system boundaries comply with the limits imposed by NF EN 15804+A1 and its national supplement NF EN 15804/CN.
Représentativité des données collectées sur le site de fabrication	Les données collectées sont issues de l'année 2016
Allowances	Mass allocation rule is used in A3
Geographical representativeness and temporal representativeness of primary data	Generic data from Ecoinvent v3.3 database updated 24/10/2016. Software used :  - SimaPro, lifecycle analysis software (V8).  - Ev-DEC, (www.ev-dec.com), developed by consultign firm EVEA (www.evea-conseil.com), which helps in the realization of FDES
Variability of results	Not applicable

6 RESULTS OF LIFE CYCLE ANALYSIS

Environmental impacts	Product Stage			Construction Process Stage		Use Stage							End of life Stage				D Benefits and Expenses Beyond the Boundaries of the system
	A1 Raw materials supply	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Rehabilitation	B6 Energy use	B7 Water use	C1 Deconstruction/ demolition	C2 Transport	C3 Waste treatment	C4 Elimination	
Global warming kg CO ₂ eq/UF	3.70E+00	5.73E-01	7.43E+01	1.25E+01	2.29E+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	2.35E-01	0.00E+00	1.34E-02	4.67E-02
Ozone Depletion kg CFC 11 eq/UF	2.49E-07	1.09E-07	4.31E-06	2.36E-06	1.11E-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	4.45E-08	0.00E+00	4.51E-09	7.68E-09
Acidification for soil and water kg SO ₂ eq/UF	2.22E-02	2.25E-03	1.18E-01	4.90E-02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	0.00E+00	1.01E-04	1.27E-04
Eutrophication kg (PO ₄) ³⁻ eq/UF	2.35E-03	4.00E-04	1.21E-02	8.71E-03	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	1.72E-05	5.52E-06
Photochemical ozone creation Ethene eq/UF	1.41E-03	2.56E-04	1.92E-02	5.56E-03	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	1.27E-05	1.92E-05
Depletion of abiotic resources (elements) kg Sb eq/UF	2.41E-04	1.79E-06	7.23E-06	3.89E-05	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	0.00E+00	1.66E-08	4.04E-06
Depletion of abiotic resources (fossil) MJ PCI/UF	4.01E+01	8.76E+00	5.36E+02	1.91E+02	2.98E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E+00	0.00E+00	3.83E-01	4.71E-01
Water Pollution m ³ /UF	5.08E+01	2.09E-01	5.91E+00	4.55E+00	5.74E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-02	0.00E+00	8.47E-03	1.71E-02
Air Pollution m ³ /UF	7.91E+02	6.23E+01	3.03E+03	1.36E+03	7.09E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E+01	0.00E+00	2.03E+00	1.60E+01

Use of resources	Product Stage			Construction Process Stage		Use Stage							End of life Stage				D Benefits and Expenses Beyond the Boundaries of the system
	A1 Raw materials supply	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Rehabilitation	B6 Energy use	B7 Water use	C1 Deconstruction/ demolition	C2 Transport	C3 Waste treatment	C4 Elimination	
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials MJ PCI/UF	2.96E+00	1.22E-01	4.97E+01	2.66E+00	6.30E+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	5.02E-02	0.00E+00	1.00E-02	4.11E-01
Use of renewable primary energy, as raw materials MJ PCI/UF	0.00E+00	0.00E+00	2.84E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials) MJ PCI/UF	2.96E+00	1.22E-01	7.81E+01	2.66E+00	6.30E+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	5.02E-02	0.00E+00	1.00E-02	4.11E-01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials MJ PCI/UF	4.31E+01	8.99E+00	5.51E+02	1.96E+02	3.15E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E+00	0.00E+00	3.88E-01	1.83E+00
Use of non-renewable primary energy, as raw materials MJ PCI/UF	0.00E+00	0.00E+00	6.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) MJ PCI/UF	4.31E+01	8.99E+00	5.51E+02	1.96E+02	3.15E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E+00	0.00E+00	3.88E-01	1.83E+00
Use of secondary material kg/UF	1.07E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuel MJ PCI/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuel MJ PCI/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water m ³ /UF	5.51E-02	1.67E-03	1.06E-01	3.63E-02	1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	4.27E-04	1.59E-02

Waste Category	Product Stage			Construction Process Stage		Use Stage							End of life Stage				D Benefits and Expenses Beyond the Boundaries of the system
	A1 Raw materials supply	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Rehabilitation	B6 Energy use	B7 Water use	C1 Deconstruction/demolition	C2 Transport	C3 Waste treatment	C4 Elimination	
Removed hazardous waste kg/UF	1.79E+00	3.81E-03	6.93E-02	8.29E-02	2.14E+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	1.56E-03	0.00E+00	1.20E-04	8.39E-03
Removed non-hazardous waste kg/UF	4.69E+00	4.60E-01	4.79E+00	1.00E+01	2.70E+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	1.89E-01	0.00E+00	2.52E+00	6.70E-02
Removed radioactive waste kg/UF	1.25E-04	6.25E-05	8.45E-04	1.36E-03	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	2.55E-06	1.72E-05

Outbound Flows		Product Stage			Construction Process Stage		Use Stage							End of life Stage				D Benefits and Expenses Beyond the Boundaries of the system	
		A1 Raw materials supply	A2 Transport	A3 Manufacturing	A4 Transport	A5 Installation	B1 Use	B2 Maintenance	B3 Repair	B4 Replacement	B5 Rehabilitation	B6 Energy use	B7 Water use	C1 Deconstruction/ demolition	C2 Transport	C3 Waste treatment	C4 Elimination		
Components for reuse kg/UF		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling kg/UF		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00
Materials for the recovery of energy kg/UF		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Energy supplied outside (by energy vector) MJ/UF	Electricity	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Vapour	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Process gas	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Impact Categories / Flows	Unit	Total Product	Total Construction Process	Total Use	Total End of life	Total Life Cycle
Global warming	kg CO ₂ eq/UF	7.86E+01	1.48E+01	0.00E+00	2.49E-01	9.36E+01
Ozone Depletion	kg CFC 11 eq/UF	4.67E-06	2.47E-06	0.00E+00	4.91E-08	7.19E-06
Acidification for soil and water	kg SO ₂ eq/UF	1.42E-01	6.27E-02	0.00E+00	1.03E-03	2.06E-01
Eutrophication	kg (PO ₄) ³⁻ eq/UF	1.49E-02	9.94E-03	0.00E+00	1.81E-04	2.50E-02
Photochemical ozone creation	Ethene eq/UF	2.08E-02	6.91E-03	0.00E+00	1.18E-04	2.79E-02
Depletion of abiotic resources (elements)	kg Sb eq/UF	2.50E-04	9.91E-05	0.00E+00	7.49E-07	3.50E-04
Depletion of abiotic resources (fossil)	MJ PCI/UF	5.85E+02	2.20E+02	0.00E+00	3.98E+00	8.10E+02
Water Pollution	m ³ /UF	5.69E+01	5.12E+00	0.00E+00	9.42E-02	6.21E+01
Air Pollution	m ³ /UF	3.88E+03	2.07E+03	0.00E+00	2.76E+01	5.97E+03
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ PCI/UF	5.28E+01	8.96E+00	0.00E+00	6.02E-02	6.18E+01
Use of renewable primary energy, as raw materials	MJ PCI/UF	2.84E+01	0.00E+00	0.00E+00	0.00E+00	2.84E+01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ PCI/UF	8.12E+01	8.96E+00	0.00E+00	6.02E-02	9.02E+01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ PCI/UF	6.03E+02	2.27E+02	0.00E+00	4.08E+00	8.34E+02
Use of non-renewable primary energy, as raw materials	MJ PCI/UF	6.34E-01	0.00E+00	0.00E+00	0.00E+00	6.34E-01
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ PCI/UF	6.03E+02	2.27E+02	0.00E+00	4.08E+00	8.35E+02
Use of secondary material	kg/UF	1.07E+01	0.00E+00	0.00E+00	0.00E+00	1.07E+01
Use of renewable secondary fuel	MJ PCI/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuel	MJ PCI/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	m ³ /UF	1.63E-01	4.71E-02	0.00E+00	1.11E-03	2.11E-01
Removed hazardous waste	kg/UF	1.86E+00	2.22E+00	0.00E+00	1.68E-03	4.09E+00
Removed non-hazardous waste	kg/UF	9.95E+00	1.27E+01	0.00E+00	2.71E+00	2.54E+01
Removed radioactive waste	kg/UF	1.03E-03	1.42E-03	0.00E+00	2.82E-05	2.48E-03
Components for reuse	kg/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg/UF	0.00E+00	0.00E+00	0.00E+00	4.60E+01	4.60E+01
Materials for the recovery of energy	kg/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Energy supplied outside (electricity)	MJ/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Energy supplied outside (vapour)	MJ/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Energy supplied outside (gas)	MJ/UF	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

7 ADDITIONAL INFORMATION ON THE RELEASE OF DANGEROUS SUBSTANCES INTO THE AIR, THE SOIL AND WATER DURING THE PERIOD OF USE

Indoor Air :

- VOC and Formaldehydes emissions: Not concerned, PITERAK SLIM is not in contact with indoor air.
- Radionuclides emissions: PITERAK SLIM is not in contact with indoor air.
- Other information on sanitary quality of indoor spaces: not concerned.

Water and Soil :

- No test have been carried out concerning release of dangerous substances in water or soil.

Note : PITERAK SLIM is not mentioned in indicative list of product included in the scope of decree n° 2011321 du 23 mars 2011 concerning the labelling of construction product or wall or floor coatings and paints and varnishes on their volatile pollutant emissions

8 CONTRIBUTION OF PRODUCTS TO LIFE QUALITY WITHIN BUILDING

Characteristics of the product involved in the creation of hygrothermal comfort conditions in the building

PITERAK SLIM is not concerned

Characteristics of the product involved in the creation of acoustic comfort conditions in the building

PITERAK SLIM is not concerned

Characteristics of the product involved in creating the visual comfort conditions in the building

PITERAK SLIM, in intended conditions of uses, is a outdoor facing product, however no test have been carried out.

Characteristics of the product involved in creating the olfactory comfort conditions in the building:

PITERAK SLIM is an inert product and does not smell, however no test have been carried out.