SPACE FOR
SUPPLIER'S LOGO

Bvd ID 57760

BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

1 Basic data

Product identification			Document ID GRANITI FIANDRE BPD3 div. IRIS CERAMICA
Product name Collection Calx - Floor Tile	Product no/ID designation See attached sheet with article numbers		Product group BIa GL
☒ New declaration ☐ Revised declaration	**In the case of a revised declaration**		
	Has the product been changed?	The change relates to	
	☐ No ☐ Yes	Changed product can be identified by	
Drawn up/revised on (date) 22 April 2015		Inspected without revision on (date)	
Other information:			

2 Supplier information

Company name GRANITI FIANDRE S.p.A. - Div. IRIS			Company reg. no/DUNS no	
Address Via Ghiarola Nuova, 119 41042 Fiorano Modenese (MO) - ITALY			Contact person Telephone +39-0536-862411	
Website: www.irisceramica.it			E-mail abergaminietiris-group.it	
Does the company have an environmental management system?			☒ Yes	☐ No
The company possesses certification in compliance with	☒ ISO 9000	☒ ISO 14000	☒ Other	If "other", please specify: LEED - EMAS
Other information:				

3 Product information

Country of final manufacture ITALY			If country cannot be stated, please state why	
Area of use WALL AND FLOOR COVERINGS				
Is there a Safety Data Sheet for this product?			☒ Not relevant	☐ Yes ☐ No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling		☒ Not relevant	
Is the product registered in BASTA?			☐ Yes	☒ No
Has the product been eco-labelled?	☐ Criteria not found	☐ Yes ☒ No	If "yes", please specify:	
Is there a Type III environmental declaration for the product?			☐ Yes	☒ No
Other information: LEED AND BREEM CERTIFICATION				

4 Contents (To add a new green row, select and copy an entire empty row and paste it in)

At the time of delivery, the product comprises the following parts/components, with the chemical composition stated:

Constituent materials/ components	**Constituent substances**	**Weight % or g**	**EG no/ CAS no (or alloy)**	**Classifi-cation**	**Comments**
Clay	SiO2	31,74%	none	none	
	Al2O3	6,96%	none	none	
	Oxides	4,78%	none	none	
Feldspar	SiO2	23,17%	none	none	

Data in fields highlighted in green are requriements in compliance with the Ecocycle Council guidelines.

Sand	Al2O3 Oxides SiO2 Al2O3 Oxides TOTAL	5,08% 3,49% 18,09% 3,96% 2,73% 100%	none none none none none	none none none none none	

Other information:

The ceramic mixture is made by both SiO2 and Al2O3. The other most important oxides are:

CaO 2%

Na2O 3%

K2O 2,5%

Other oxides are lower than unit.

The composition is added with digital applications.

If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the **finished built in product** should be given here. If the content is unchanged, no data need be given in the following table.

Constituent materials/ components	**Constituent substances**	**Weight % or g**	**EG no/ CAS no (or alloy)**	**Classifi-cation**	**Comments**

Other information:

5 Production phase

Resource utilisation and environmental impact during production of the item is reported in one of the following ways:

☒ 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the **manufacturing unit**, and the outflows (emissions and residual products) from it, i.e. from "gate-to-gate".

☐ 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate".

☐ 3) Other limitation. State what:

The report relates to unit of product unit/year.	☒ Reported product	☐ The product's product group	☐ The product's production unit

Indicate **raw materials and intermediate goods** used in the manufacture of the product		☐ Not relevant
Raw material/intermediate goods	Quantity and unit	Comments
Feldspar	31,74%	
Clay	43,48%	
Sand	24,78%	
Indicate **recycled materials** used in the manufacture of the product		☐ Not relevant
Type of material	Quantity and unit	Comments
Raw materials (Feldspar, clay and sand)	Above 40% (Pre-consumer)	% to be inclused in the total raw materials above
Raw materials (Glass)	6% (Post-consumer)	
Enter the **energy** used in the manufacture of the product or its component parts		☐ Not relevant
Type of energy	Quantity and unit	Comments
Electric	44.485.782 kWh/year	Overall data contained in Report AIA 2014
Thermal (natural gas)	20.731.953 Sm3/year	Overall data contained in Report AIA 2014
Enter the **transportation** used in the manufacture of the product or its component parts		☐ Not relevant
Type of transportation	Proportion %	Comments

Conveyor and rollers with electric motors	90	Overall data contained in Report AIA 2014
Electric forklift trucks	10	Overall data contained in Report AIA 2014

Enter the **emissions to air, water or soil** from the manufacture of the product or its component parts		☐ Not relevant
Type of emission	Quantity and unit	Comments
Particulate matter	9.882 kg/year	Overall data contained in Report AIA 2014
Fluorine SOV Lead Aldehydes	326 kg/year 4.175 kg/year 0,11 kg/year 1.350 kg/year	Overall data contained in Report AIA 2014

Enter the **residual products** from the manufacture of the product or its component parts					☒ Not relevant
			Proportion recycled		
Residual product	Waste code	Quantity	Material recycled %	Energy recycled %	Comments
Fired waste	17 01 07	6%			Overall data contained in Report AIA 2014

Is there a description of the data accuracy for the manufacturing data?	☒ Yes	☐ No	If "yes", please specify: Data about emissions and energy are reported in the Report AIA 2014 of the Sassuolo Site. The Report relates to the entire production of the Sassuolo Site.
Other information:			

6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	☐ Not relevant	☒ Yes	☐ No
Does the supplier put into practice any systems involving multi-use packaging for the product?	☒ Not relevant	☐ Yes	☐ No
Does the supplier take back packaging for the product?	☒ Not relevant	☐ Yes	☐ No
Is the supplier affiliated to REPA?	☐ Not relevant	☐ Yes	☒ No
Other information:			

7 Construction phase

Are there any special requirements for the product during storage?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Are there any special requirements for adjacent building products because of this product?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Other information:				

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?			☐ Yes	☒ No	If "yes", please specify:	
Does the product have any special energy supply requirements for operation?			☐ Yes	☒ No	If "yes", please specify:	
Estimated technical service life for the product is to be entered according to one of the following options, a) or b):						
a) Reference service life estimated as being approx.	☐ 5 years	☐ 10 years	☐ 15 years	☐ 25 years	☒ >50 years	Comments

Data in fields highlighted in green are requriements in compliance with the Ecocycle Council guidelines.

b) Reference service life estimated to be in the interval of years	
Other information:	

9 Demolition

Is the product ready for disassembly (taking apart)?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Other information:				

10 Waste management

Is it possible to re-use all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: The product is re-used after grinding in the production cycle
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: The product is re-used after grinding in the production cycle
Is it possible to recycle energy for all or parts of the product?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Enter the waste code for the **supplied** product				
Is the **supplied** product classed as hazardous waste?			☐ Yes	☒ No
If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished **built in** product, then this should be entered here. If it is unchanged, the following details can be omitted.				
Enter the waste code for the **built in** product				
Is the **built in** product classed as hazardous waste?			☐ Yes	☐ No
Other information:				

11 Indoor environment (To add a new green row, select and copy an entire empty row and paste it in)

When used as intended, the product gives off the following emissions:			☒ The product does not have any emissions	
Type of emission	**Quantity [µg/m²h] or [mg/m³h]**		**Method of measurement**	**Comments**
	4 weeks	**26 weeks**		
Can the product itself give rise to any noise?			☐ Not relevant	☐ Yes ☒ No
Value	Unit		Method of measurement	
Can the product give rise to electrical fields?			☐ Not relevant	☐ Yes ☒ No
Value	Unit		Method of measurement	
Can the product give rise to magnetic fields?			☐ Not relevant	☐ Yes ☒ No
Value	Unit		Method of measurement	

Other information:

References

www.irisceramica.it

Appendices