

BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification		Document ID
Product name CARRARA SELECT	Product no/ID designation	Product group
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	In the case of a revised declaration	
	Has the product been changed?	The change relates to
	<input type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 20180912		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name FLORIM Ceramiche SpA		Company reg. no/DUNS no IT1265320364 / 42-810-2487	
Address Via Canaletto 24, 41042 Fiorano Modenese, (MO), Italy		Contact person	
Website: www.florim.it		Telephone	
Does the company have an environmental management system?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
The company possesses certification in compliance with	<input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000	<input checked="" type="checkbox"/> Other	If "other", please specify: Ohsas 18001, ISO 50001
Other information: ,			

3 Product information

Country of final manufacture Italy	If country cannot be stated, please state why		
Area of use			
Is there a Safety Data Sheet for this product?		<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling	<input checked="" type="checkbox"/> Not relevant	
Is the product registered in BASTA?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Has the product been eco-labelled?	<input type="checkbox"/> Criteria not found <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "yes", please specify:	
Is there a Type III environmental declaration for the product?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other information: EPD			

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)	Classification	Comments
Ceramic Tile	SiO2	66-69 %	14808-60-7		
	Al2O3	18-22 %	90669-62-8		

	Na2O	3.0-3.2 %	12401-86-4		
	K2O	2.2-2.3 %	37382-43-7		
	Fe2O3	0.5-2.2 %	76774-74-8		Hematite
	CaO	0.9-1.0 %	60873-85-0		
	TiO2	0.5-0.6 %	98084-96-9		
	Cr2O3	0.0-0.7 %	1308-38-9		
	MgO	0.2-0.3 %	82375-77-7		
	ZrO2	0.1-0.3 %	73649-21-5		

Other information:

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)	Classification	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	<input checked="" type="checkbox"/> Reported product	<input type="checkbox"/> The product's product group	<input type="checkbox"/> The product's production unit
Indicate raw materials and intermediate goods used in the manufacture of the product			<input type="checkbox"/> Not relevant
Raw material/intermediate goods	Quantity and unit	Comments	
Clay	40 %		
Feldspar	30 %		
Other (sand, inorganic oxide, pigments)	29 %	Other 1 % inorganic oxide and pigments	
Indicate recycled materials used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments	
Scrap	7.1 %		
Enter the energy used in the manufacture of the product or its component parts			<input type="checkbox"/> Not relevant
Type of energy	Quantity and unit	Comments	
Methan	3 m3 Methan / m2 product		
Electric	6.8 kWh / m2 product		

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

Enter the transportation used in the manufacture of the product or its component parts		<input checked="" type="checkbox"/> Not relevant			
Type of transportation	Proportion %	Comments			
Enter the emissions to air, water or soil from the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant			
Type of emission	Quantity and unit	Comments			
Cold emissions into the air (Average emission factor of particled material MP in g/m2)	MP < 5 g/m2	NO Emission in soil			
Emissions into the air in the firing phase (given in mg/m2)	MP < 200 mg/m2 F < 200 mg/m2 NOx < 3000 mg/m2 SO2 < 1500 mg/m2	NO Emission in water (100 % recycling)			
Enter the residual products from the manufacture of the product or its component parts			<input type="checkbox"/> Not relevant		
Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	
Green ceramic waste	101201	4%	100%	0%	
Fired ceramic waste	101208	1%	100%	0%	
Is there a description of the data accuracy for the manufacturing data?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: The management system is certified since many years.		
Other information:					

6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier put into practice any systems involving multi-use packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the supplier affiliated to REPA?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other information:			

7 Construction phase

Are there any special requirements for the product during storage?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Are there any special requirements for adjacent building products because of this product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:				

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:			
Does the product have any special energy supply requirements for operation?	<input type="checkbox"/> Yes	<input type="checkbox"/> 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.	<input type="checkbox"/> 5 years	<input type="checkbox"/> 10 years	<input type="checkbox"/> 15 years	<input type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments
b) Reference service life estimated to be in the interval of	years					
Other information:						

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9 Demolition

Is the product ready for disassembly (taking apart)?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information: The rubble coming from the demolition of the tiles is "inert" material (non-reactive, chemically and physically stable, and resistant to prolonged exposure also under extreme heat, hygrometric and chemical conditions).				

10 Waste management

Is it possible to re-use all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify: Its depends on pose
Is it possible to recycle materials for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle energy for all or parts of the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Enter the waste code for the supplied product				
Is the supplied product classed as hazardous waste?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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?			<input type="checkbox"/> Yes	<input type="checkbox"/> 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:		<input checked="" type="checkbox"/> The product does not have any emissions		
Type of emission	Quantity [$\mu\text{g}/\text{m}^2\text{h}$] or [$\text{mg}/\text{m}^3\text{h}$]		Method of measurement	Comments
	4 weeks	26 weeks		
Can the product itself give rise to any noise?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to electrical fields?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Can the product give rise to magnetic fields?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

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References

Appendices