

## BUILDING PRODUCT DECLARATION BPD 3

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

### 1 Basic data

<b>Product identification</b>		Document ID	
Product name: porcelain ceramic tiles for floors and walls – collection LIMESTONE (BACK)	Product no/ID designation Porcelain stoneware ceramic tiles with low water absorption E≤0.5% group Bla EN 14411 - ISO 13006 annex G	Product group tiles, clinker and mosaic	
<input type="checkbox"/> New declaration <input checked="" type="checkbox"/> Revised declaration	<b>In the case of a revised declaration</b>		
Has the product been changed?		The change relates to constituent materials better specified	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Changed product can be identified by	
Drawn up/revised on (date) 20180416		Inspected without revision on (date)	

Other information:
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### 2 Supplier information

Company name CERAMICHE KEOPE		Company reg. no/DUNS no p.iva IT01282550365	
Address Via Statale, 21, Casalgrande (RE) - ITALY		Contact person Davide Carra	
		Telephone +390536867811	
Website: WWW.KEOPE.COM		E-mail d.carra@gruppoconcorde.it	
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 type="checkbox"/> ISO 14000	<input checked="" type="checkbox"/> Other	If "other", please specify: CCC, CSTB UPEC, CE, LEED compliant, HPD, PEF, EPD, FDES

Other information:
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### 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 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other information:					

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

<b>At the time of delivery</b> , 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
SiO <sub>2</sub>		72,4%	99439-28-8		
Al <sub>2</sub> O <sub>3</sub>		19,0%	90669-62-8		
Hematite		0,6%	76774-74-8		
TiO <sub>2</sub>		0,6%	98084-96-9		
CaO		0,3%	60873-85-0		
MgO		0,2%	82375-77-7		
Na <sub>2</sub> O		4,4%	12401-86-4		
K <sub>2</sub> O		2,5%	37382-43-7		
Loss of ignition	Not considered				

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 <b>finished built in product</b> 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

<b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>			
<input type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the outflows (emissions and residual products) from it, i.e. from "gate-to-gate".			
<input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate".			
<input type="checkbox"/> 3) Other limitation. State what:			
The report relates to unit of product sqm	<input type="checkbox"/> Reported product	<input type="checkbox"/> The product's product group	<input type="checkbox"/> The product's production unit
Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product			<input type="checkbox"/> Not relevant
Raw material/intermediate goods	Quantity and unit		Comments
Feldspar	11,6 kg/sqm		
Sand	4,75 kg/sqm		
Clay	6,9 kg/sqm		
Indicate <b>recycled materials</b> used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit		Comments

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

ceramic tiles before firing process	from 0 kg/sqm to 17,0 kg/sqm	quantity depending from type of body and colour of body			
Enter the <b>energy</b> used in the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant			
Type of energy	Quantity and unit	Comments			
gas methane CH4	< 3,5 mJ/kg	ecolabel mandatory requirement			
Electric energy	<12,0 kwh/sqm				
Enter the <b>transportation</b> used in the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant			
Type of transportation	Proportion %	Comments			
ship, railway	80	Transportation from Turkey and from Ukraina to Italy coast by ship. Transportation from coast to factory by truck / railway			
truck	20	Transportation from Turkey and from Ukraina to Italy coast by ship. Transportation from coast to factory by truck / railway			
Enter the <b>emissions to air, water or soil</b> from the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant			
Type of emission	Quantity and unit	Comments			
particulate matter (dust)	< 5,2 gr / sqm	European Ecolabel requirement			
fluorides (as HF)	< 0,2 gr / sqm	European Ecolabel requirement			
Enter the <b>residual products</b> 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	6%	100%	0%	
Fired ceramic waste	101208	1,5%	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: Quality system is ISO 9001 certified since many years. Process and product control are guaranteed		

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 checked="" 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 checked="" type="checkbox"/> Yes	<input 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 type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: humidity (in order to safeguard package)
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" 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 checked="" type="checkbox"/> No	If "yes", please specify:			
Does the product have any special energy supply requirements for operation?	<input type="checkbox"/> Yes	<input checked="" 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 checked="" type="checkbox"/> >50 years	Comments
b) Reference service life estimated to be in the interval of	years					

Other information:

## 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:

## 10 Waste management

Is it possible to re-use all or parts of the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
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 <b>supplied</b> product 170904				
Is the <b>supplied</b> 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.

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Enter the waste code for the <b>built in</b> product		
Is the <b>built in</b> 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 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 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 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 type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

**References**

iso 9001 certificate

**Appendices**