

## 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 Glazed Ceramic Tiles
Product name NORRVANGE BEIGE 12mm GREY, IVORY, LIGHT GREY 12mm	Product no/ID designation ceramic tiles with low water absorption E<0.5%	Product group group Bla EN14411 ISO13006 annex G
<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
	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 23/04/2024		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name LVG CERAMIC SURFACES, S.L.		Company reg. no/DUNS no ESB 12902300	
Address Ctra. Villarreal - Onda CV 20 KM 2.5, 12540, Villarreal (Castellón) Spain		Contact person CARLOS ALBA	
		Telephone 0034 964 914 181	
Website: www.livingceramics.com		E-mail comercial@livingceramics.com	
Does the company have an environmental management system?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
The company possesses certification in compliance with	<input checked="" type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO 14000	<input type="checkbox"/> Other	If "other", please specify: CCC, CSTB UPEC, CE
Other information:			

### 3 Product information

Country of final manufacture Spain	If country cannot be stated, please state why		
Area of use Internal and external flooring and walls			
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 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)

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
SiO2		70.65%	7631-86-9		
Al2O3		20.26%	1344-28-1		

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

Fe2O3		0.73%	1309-37-1		
TiO2		0.69 %	13463-67-7		
CaO		0.54 %	1305-78-8		
MgO		0.33 %	1309-48-4		
Na2O		4.99 %	1313-59-3		
K2O		1.56 %	37382-43-7		
P2O5		0.21 %	1314-56-3		
Other Oxides less 0.1%		0.05 %			

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)	Classifi- cation	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 checked="" 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 (m2)	<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
Clay, Sand, Feldespar, Carbonate, Kaolin	34,4 kg/m2		Atomized powder
Carbonate, Feldespar, Kaolin, Silicate, Alumina oxide, quartz, borate, zinc oxide, zirconium oxide	0,64 kg/m2		Glaze or Enamel
Metal oxides.	0,004 kg/m2		Pigment
Indicate <b>recycled materials</b> used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit		Comments
Atomized powder (recycled)	20%		
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
Electric	2,12 Kwh/m2		
Gas	18,71 Kwh/m2		
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
Truck	100%		
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
CO2e	1,46 kg/m2		
SO2	5,8*10-3 mg/m2		

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HCL	3*10 <sup>-3</sup> kg/m <sup>2</sup>				
HF	2*10 <sup>-3</sup> kg/m <sup>2</sup>				
PI	8,4*10 <sup>-6</sup> kg/m <sup>2</sup>				
Particles	3,65*10 <sup>-3</sup> kg/m <sup>2</sup>				
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 %	
Atomized Powder	101201	0,5 kg/m <sup>2</sup>	26%		
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: This description is based on "Sectoral life-cycle assessment of ceramic tile" published by ASCER association.		
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 checked="" 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 type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other information:			

## 7 Construction phase

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

## 10 Waste management

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

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: Can be used as a landfill
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				
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 <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted.				
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 checked="" 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:				

## References

## Appendices