bricmate®

# BUILDING PRODUCT DECLARATION BPD 3

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

## 1 Basic data

| **Product identification** | | | Document ID Glazed Ceramic Tiles |
|---|---|---|---|
| Product name<br>J AZUL OLIVE 9mm | Product no/ID designation<br>ceramic tiles with low water absorption E<0.5% | | Product group<br>group BIa EN14411 ISO13006 annex G |
| ☐ New declaration<br>☒ 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) 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<br>Telephone 0034 964 914 181 | |
| Website: www.livingceramics.com | | | E-mail comercial@livingceramics.com | |
| 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: 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? | | | ☒ Not relevant | ☐ Yes | ☐ No |
| In accordance with the regulations of the Swedish Chemicals Agency, please state: | | Classification<br>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: | | | | | |

## 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 | | |
| Fe2O3 | | 0.73% | 1309-37-1 | | |
| TiO2 | | 0.69 % | 13463-67-7 | | |

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

| | | | | | |
|---|---|---|---|---|---|
| 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

**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 sqm (m2) | ☐ 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 |
| Clay, Sand, Feldespar, Carbonate, Kaolin | 25,82 kg/m2 | Atomized powder |
| Carbonate, Feldespar, Kaolin, Silicate, Alumina oxide, quartz, borate, zinc oxide, zirconium oxide | 0,58 kg/m2 | Glaze or Enamel |
| Metal oxides. | 0,004 kg/m2 | Pigment |

| Indicate **recycled materials** used in the manufacture of the product | | ☐ Not relevant |
|---|---|---|
| Type of material | Quantity and unit | Comments |
| Atomized powder (recycled) | 20% | |
| | | |

| Enter the **energy** used in the manufacture of the product or its component parts | | ☐ Not relevant |
|---|---|---|
| Type of energy | Quantity and unit | Comments |
| Electric | 2,12 Kwh/m2 | |
| Gas | 18,71 Kwh/m2 | |

| Enter the **transportation** used in the manufacture of the product or its component parts | | ☐ Not relevant |
|---|---|---|
| Type of transportation | Proportion % | Comments |
| Truck | 100% | |
| | | |

| 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 |
| CO2e | 1,46 kg/m2 | |
| SO2 | 5,8*10-3 mg/m2 | |
| HCL | 3*10-3 kg/m2 | |
| HF | 2*10-3 kg/m2 | |

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| | | |
|---|---|---|
| PI<br>Particles | 8,4*10-6 kg/m2<br>3,65*10-3 kg/m2 | |

Enter the **residual products** from the manufacture of the product or its component parts ☐ Not relevant

| Residual product | Waste code | Quantity | Proportion recycled | | Comments |
|---|---|---|---|---|---|
| | | | Material recycled % | Energy recycled % | |
| Atomized Powder | 101201 | 0,5 kg/m2 | 26% | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Is there a description of the data accuracy for the manufacturing data? | ☒ Yes | ☐ No | If "yes", please specify:<br>This descripcion is based on "Sectoral life-cycle assessment of ceramic tile" published by ASCER asociation. |

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 |
| 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: |

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| | | | | |
|---|---|---|---|---|
| Is it possible to recycle materials for all or parts of the product? | ☐ Not relevant | ☒ Yes | ☐ No | If "yes", please specify: Can be used as a landfill |
| 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

## Appendices