

## 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 Mosa ceramic wall tiles	Product no/ID designation	Product group
<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) 27 june 2017		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name Royal Mosa B.V.		Company reg. no/DUNS no NL0016.92.926.B.01	
Address Meerssenerweg 358 6224 AL Maastricht, The Netherlands		Contact person	
		Telephone +31 43 3689234	
Website: www.mosa.com		E-mail dorien.van.der.weele@mosa.nl	
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 type="checkbox"/> Other	If "other", please specify:
Other information:			

### 3 Product information

Country of final manufacture	Netherlands	If country cannot be stated, please state why		
Area of use	all countries			
Is there a Safety Data Sheet for this product?	<input type="checkbox"/> Not relevant		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling		<input type="checkbox"/> Not relevant	
Is the product registered in BASTA?	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
Has the product been eco-labelled?	<input type="checkbox"/> Criteria not found	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Cradle to Cradle Silver V3.1
Is there a Type III environmental declaration for the product?	<input checked="" type="checkbox"/> Yes		<input 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
quartz		50	14808-60-7		
kaolin clay		18	1332-58-7		
calcium carbonate		11	471-34-1 and 14808-60-7		
silica, cristoballite		10	14464-46-1		
Other information:					

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

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
feldspar		10	68476-25-5		
frits, glazes, pigments		1	mixture		anorganic pigments, safety verified independently (C2C)
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 checked="" 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 1m2 fixed and grouted wall tile with an average thickness of 6mm, which meets or exceeds the requirements of the building, with a service life of 50 years	<input checked="" 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			
quartz, kaolin clay	6,81 kg/m2				
calcium caronate, feldspar	2,56 kg/m2				
frits, glazes, pigments	0,12 kg/m2				
Indicate <b>recycled materials</b> used in the manufacture of the product				<input type="checkbox"/> Not relevant	
Type of material	Quantity and unit	Comments			
scrap (mix of the above)	0,72 kg/m2				
quartz, silica/cristoballite	1,94 kg/m2				
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			
natural gas	7,43 MJ/kg				
green electricity	2,89 MJ/kg				
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			
road transport	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			
Global warming (GWP100A)	1,38E+01 kg CO2 eq				
Acidification	1,85E-02 kg SO2 eq				
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 %	
Production scrap			100		

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

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: externally verified LCA, see attachment		
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 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: heat treated europallets			

## 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 checked="" type="checkbox"/> Yes	<input 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

Is it possible to re-use 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 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				

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 checked="" 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 checked="" 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 checked="" type="checkbox"/> Not relevant		<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit	Method of measurement		
Other information:				

## References

## Appendices

Cradle to Cradle Silver certificate Mosa wall tiles  
 Safety data sheet Mosa wall tiles  
 Technical product sheet Mosa wall tiles  
 ISO 9001 certificate Royal Mosa  
 ISO 14001 certificate Royal Mosa  
 Review statement Mosa LCA