



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

### 2 Supplier information

Company name CASALGRANDE PADANA SPA		Company reg. no/DUNS no 01622500369	
Address VIA STATALE 467,73 42013 Casalgrande (RE) -Italia		Contact person	
Website: www.casalgrandepadana.com		Telephone 0522/9901	
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 type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000	<input checked="" type="checkbox"/> Other	If "other", please specify: ceramic tiles produced with recycled materials for LEED credit MR 4.1, MR 4.2 + EMAS
Other information: we are associated at Green building council Italia (annexe)			

### 3 Product information

Country of final manufacture Italy	If country cannot be stated, please state why		
Area of use worldwide			
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:		
Is there a Type III environmental declaration for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Other information: UNDER CURRENT DEVELOPEMENT TOGETHER WITH ASSOCIAZIONE CONFINDUSTRIA CERAMICA			

### 4 Contents

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
Si O2		50-100			
Al2 O3		10-25			

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

Fe2 O3		0,1-1			
Ti O2		0,1-1			
Ca O		0,1-1			
Mg O		0,1-1			
Na2 O		1 - 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)	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:			
<input type="checkbox"/> 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".			
<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	<input 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	35-40		
feldspats	40-45		
sands/quartz	10-15		
zirconium silicate	0-2		
various/additives	0-5		
Indicate recycled materials used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments	
see annexe certificate with ceramic tiles produced with recycled materials			
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	
NATURAL GAS	SMC = tot 52.386.769	data referring to year 2011	
ELECTRIC ENERGY	Kwh = purchased tot = 45.648.324 tot.e.e. self-produced = 36.989.110 tot. e.e. network yielded = 1.644.120 tot. e.e. photovoltaics = 54.498	data referring to year 2011	
Enter the transportation used in the manufacture of the product or its component parts			<input type="checkbox"/> Not relevant
Type of transportation	Proportion %	Comments	
vessel	20	Ukraine clay + Turkish feldspat	
train	40	German clay	
Enter the emissions to air, water or soil from the manufacture of the product or its component parts			<input type="checkbox"/> Not relevant

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Type of emission	Quantity and unit		Comments		
WATER STEAM IN ATMOSPHERE	LT X 1000 (247.128)		WATER STEAM OF ATOMIZER AND DRYERS		
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 %	
SHARDS OF BROKEN TILES	10 12 08	KG 4.023.700	100	100	delivered to our subsidiary RIWAL that employs them for the mixture
Water suspension containing ceramic materials	08 02 03	kg 9.759.570	100	100	delivered to our subsidiary RIWAL that employs them for the mixture
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: Production cycle in EMAS Environmental Declaration + annual report to be sent to ARPA including the whole range of environmental performances		
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 checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input checked="" 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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: it does exist a static carrying capacity of the pallets which can only be stacked up by maximum of 5
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 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:						

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## 9 Demolition

Is the product ready for disassembly (taking apart)?	<input checked="" type="checkbox"/> Not relevant	<input 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: All the wasted materials are monitored by official documents stamped and submitted to CCIAA examination
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: SHARDS OF BROKEN TILES, DIRTY WATERS, ETC.ETC.
Is it possible to recycle energy 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: the thermal energy deriving from combustion ovens is employed by a heat exchangers to give heat to the offices - the thermal energy of the atomizers is directed into the turbine to producing electric power
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: maximum stock capacity of our site  obligation to fill up a form for every transition from our establishment to the outside (for both, recovery or disposal)
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 type="checkbox"/> No
Other information:				

## 11 Indoor environment

When used as intended, the product gives off the following emissions:	<input type="checkbox"/> The product does not have any emissions
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Type of emission	Quantity [ $\mu\text{g}/\text{m}^3\text{h}$ ] or [ $\text{mg}/\text{m}^3\text{h}$ ]		Method of measurement	Comments
	4 weeks	26 weeks		
LEAD		0	authorized external laboratory certificate	MG/M <sup>3</sup> h
FLUORINE		4,60	authorized external laboratory certificate	MG/M <sup>3</sup> h
NOX		169.22	authorized external laboratory certificate	MG/M <sup>3</sup> h
SOX		615.50	authorized external laboratory certificate	MG/M <sup>3</sup> h
BORON		0,80	authorized external laboratory certificate	MG/M <sup>3</sup> h
Can the product itself give rise to any noise?			<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Value 50	Unit Db(A)		Method of measurement authorized external laboratory certificate	
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