

BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification		Document ID GMR 15 06
Product name MAGNABOARD	Product no/ID designation GMR 01	Product group Magnesium Construction Board
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	In the case of a revised declaration	
	Has the product been changed?	The change relates to
	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 2015 06 01		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name Gröning Board AB		Company reg. no/DUNS no 556151-5874	
Address Vallavägen 12 79142 FALUN		Contact person	
Website: www.groningboard.se		Telephone 023- 19470 / Ylva Elfström Vd	
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 type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO 14000	<input type="checkbox"/> Other	If "other", please specify:
Other information:			

3 Product information

Country of final manufacture China	If country cannot be stated, please state why		
Area of use Building construction, Partition, Ceilings etc.			
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 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 checked="" type="checkbox"/> Criteria not found	<input 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 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)	Classification	Comments
Board/Skiva	MgO	45-55%	1309-48-4		
Board/Skiva	MgSO4	18-28%	10034-99-8		
Board/Skiva	Perlite	5-15%	98763-70-3		
Board/Skiva	H2O/others	8-17 %		Ej Tillämplig	

				t	
Other information: In others: incl. 2-4 layers Alk. Fibernet 6x4, C-powder 0-6%					
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 checked="" 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 checked="" 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	
MgO		Around 45-55 %			
MgSO4		Around 18-28 %			
Perlite		Around 5-15 %			
Indicate recycled materials used in the manufacture of the product					<input checked="" type="checkbox"/> Not relevant
Type of material		Quantity and unit		Comments	
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	
Elektricity		Approx. 12 000 Kw		1 prod.line/month	
Water		Approx. 500 ton’s		1 prod.line/month	
Enter the transportation used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant
Type of transportation		Proportion %		Comments	
Ship Materialsupply		Approx. 30 %			
Truck/Forklift Manufacture and transport		Approx. 3 %			
Enter the emissions to air, water or soil from the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant
Type of emission		Quantity and unit		Comments	
Enter the residual products from the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant
Residual product		Waste code	Quantity	Proportion recycled	
				Material recycled %	
				Energy recycled %	
				Comments	
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: Batch and production date.	
Other information:					

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

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 checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input 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: Product is almost always packed with other products in distribution to customer.			

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: Covered, Humidity, Handling
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 Reference only. Depends on area of application and installation.
b) Reference service life estimated to be in the interval of 50 years						
Other information:						

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: Can be re-used if it's not damaged, or else partly used.
Is it possible to recycle materials for all or parts of the product?	<input checked="" type="checkbox"/> Not relevant	<input 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: NOTE! The board are environment friendly. Waist handling acc. to MSDS
Enter the waste code for the supplied product 17 08 02				

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

Is the supplied 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.		
Enter the waste code for the built in product		
Is the built in 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

Description of product.