

## 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 EPS Grey	Product no/ID designation	Product group Isolering
<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 type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 20101008		Inspected without revision on (date)
Other information: Produkten är nu registrerad i Basta, emissionsdata tillagda 2010-10-07		

### 2 Supplier information

Company name BEWi Insulation AB		Company reg. no/DUNS no 556541-7788	
Address Gårdsvägen 13 196 70 Solna		Contact person Helena Backson	
Website: www.bewi.com		Telephone 0176-208 500	
Does the company have an environmental management system?		E-mail helena.backson@bewi.com	
		<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 Sverige	If country cannot be stated, please state why		
Area of use Byggisolering			
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 checked="" type="checkbox"/> Yes <input 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

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
Expanderad polystyren	Polystyren	<95%	9003-53-6	Ej	
	Pentan	<2%	109-66-0778-78-4	F+,Xn,N; R12-65-66-67-51/53	
	Grafit	<7%	7782-42-5	Ej	

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

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 <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
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		<input type="checkbox"/> Reported product		<input type="checkbox"/> The product's product group	
				<input checked="" type="checkbox"/> The product's production unit	
Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product					<input checked="" type="checkbox"/> Not relevant
Raw material/intermediate goods		Quantity and unit		Comments	
Expanderad polystyren, Neopor		100%			
Indicate <b>recycled materials</b> used in the manufacture of the product					<input checked="" type="checkbox"/> Not relevant
Type of material		Quantity and unit		Comments	
Enter the <b>energy</b> used in the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant
Type of energy		Quantity and unit		Comments	
Olja		3Mj/kg färdig produkt			
El		0,8Mj/kg färdig produkt			
Enter the <b>transportation</b> used in the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant
Type of transportation		Proportion %		Comments	
Lastbil		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	
Pentan		53-55G/kg råvara			
CO2		350kg/kg råvara			
Enter the <b>residual products</b> 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: Energi- och råvaruförbrukningen gäller för Thermisols fabriker. Pentan och grafit halten är enligt råvarutillverkarens uppgifter.	

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 checked="" 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 type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other information: Lastbärare är huvudsakligen EPS pallar, som kan användas som byggisolering i mark.			

## 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: Kan lagras utomhus, men bryts ner av långvarigt solljus. Bör inte skyddas av transparent folie
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Cellplast tål inte aceton, bensin, diesel och andra lösningsmedel. Cellplast bör inte installeras med direkt kontakt mot PVC, pga avgång av mjukgörare
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 >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: Platina kan återanvändas
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: Platina kan malas ner för tillverkning av ny Platina

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

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: Energnehållet motsvarar c:a 1,3 kg olja per kg EPS
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 070302				
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

When used as intended, the product gives off the following emissions:		<input 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		
TVOC	0,014		GC-MS	Emissionsmätning en genomförd i Finland. M1-certifikat finns
Formaldehyd	<0,02		LC-UV	Ingen registrerad förekomst över mätgränsen på 0,02 microg/m2h
Ammoniak	<0,01		LC-UV	Ingen registrerad förekomst över mätgränsen på 0,01 microg/m2h
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: Varan är normalt alltid inbyggd, av förslitningskäl och brandskyddsskäl				

## References

## Appendices

M1 certificate RTS, MSDS Thermisol Platina  
M1 Raportii, 5337, Finas