



## 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 Kährs 13mm Avanti	Product no/ID designation lacquer finish	Product group 03102
<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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes	The change relates to Changed product can be identified by
Drawn up/revised on (date) 2015-05-16		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name AB Gustaf Kähr		Company reg. no/DUNS no 556017-3600	
Address Dunderbergsgatan 10 382240 SE Nybro Sweden		Contact person	
Website: www.kahrs.com		Telephone 011 46 481 460 00	
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: File an audited EMAS Environmental Report each year since 1997			

### 3 Product information

Country of final manufacture Sweden		If country cannot be stated, please state why	
Area of use flooring			
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If "yes", please specify: Floorscore certified, M1 RTS Finland certified, CARB 2 compliant, E1 EU certified, German DIBt certified, French VOC A+ Certified, BPD3 this form, certified as recommended, Blue Angel Germany certified, HPD Collaborative NYC	
Is there a Type III environmental declaration for the product?		<input type="checkbox"/> Yes	<input checked="" 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
Lacquer	acrylic based, UV	< 1%	n/a	n/a	

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

	hardened				
Surface layer	chemically untreated wood surface 2.5mm	≈ 33%	n/a	n/a	
Middle layer	chemically untreated wood in the form of lamellas of pine (principally) and spruce. Birch plywood on each end made of FSC certified wood..	≈ 53%	n/a	n/a	
Bottom layer	chemically untreated spruce veneer	≈ 10%	n/a	n/a	
Glue	Adhesive 1271 UF In accordance with Regulation (EC) No. 1907/2006 (REACH)	≈ 3%	n/a	n/a	
Other components	filler	≈ 0,1%	n/a	n/a	
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 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	<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 type="checkbox"/> Not relevant
Raw material/intermediate goods	Quantity and unit	Comments	
hardwood	≈2500 g/m <sup>2</sup>		
softwood middle and veneer bottom	≈4000 g/m <sup>2</sup>		
1271 UF glue	≈280 g/m <sup>2</sup>		
Lacquer	≈60 g/m <sup>2</sup>		
Veneer	≈750 g/m <sup>2</sup>		
Indicate <b>recycled materials</b> used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments	

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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			
sustainable hydropower electricity	≈8,5 kWh/m <sup>2</sup>	nybro factory site			
biofuel heat energy, wood byproduct	≈10 kWh/m <sup>2</sup>	nybro factory site			
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			
transport trucks	≈23%				
container ships	≈76%				
railway	≈1%				
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			
VOC	≈0,7 g/m <sup>2</sup>				
dust - collected	≈0,7 g/m <sup>2</sup>				
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 %	
paper waster, plastic, metal		215 ton	100%		
mixed waste		160 ton	0%	96%	4% to landfill estimated energy generated
hazardous waste/incinerated		160 ton	0%	30%	
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: 2015 Kährs audited EMAS report, found at Kährs.com		
Other information: EMAS - eco management audit scheme, EU environmental supported reporting, audited by DNV					

## 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 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 type="checkbox"/> No
Other information: REPA today is Green Dot, we are a part of this organization			

## 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: read instructions
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: read instructions
Other information: To avoid damage it is important that the relative humidity (RH) during and after installation is below 60%. During the floor flatness and humidity should be known, any unevenness should be leveled and moisture protection is used. kährs.com				

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## 8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:		
Does the product have any special energy supply requirements for operation?		<input type="checkbox"/> Yes	<input 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 checked="" type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments
b) Reference service life estimated to be in the interval of _____ years						
Other information: Read the installation instructions, use floor care products in Kährs instructions						

## 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: yes, if float in installation
Is it possible to recycle materials 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:
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: Energy recovery through incineration/energy pellets
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 170201 EU				
Is the <b>supplied</b> product classed as hazardous waste?				<input type="checkbox"/> Yes <input 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 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	24 days: 0,2 $\text{mg}/\text{m}^3$ ; 204 $\mu\text{g}/\text{m}^3$		TVOC measured with Tenax sampling and subsequent thermodesorption	

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			and analysis by GC / MSD DIN ISO 16000-6.	
Formaldehyde	14 days: 0,01 mg/m <sup>3</sup> air		EN-717-1:2004	
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: Chamber method, formaldehyde chamber method, protocol 2013-04-23				

## References

## Appendices