BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification			Document ID
Product name Kährs 15mm	Product no/ID designation oil finish		Product group 03102
☒ New declaration ☐ Revised declaration	**In the case of a revised declaration**		
	Has the product been changed?		The change relates to
	☒ No	☐ Yes	Changed product can be identified by
Drawn up/revised on (date) 2013-05-16			Inspected without revision on (date)
Other information: TVOC and Formaldehyde emission testing, company FSC/PEFC certified, LCA >25 years			

2 Supplier information

Company name AB Gustaf Kähr			Company reg. no/DUNS no 556017-3600	
Address Dunderbergsgatan 10 382240 SE Nybro Sweden			Contact person Telephone 011 46 481 460 00	
Website: www.kahrs.com			E-mail info@kahrs.com	
Does the company have an environmental management system?			☒ Yes	☐ No
The company possesses certification in compliance with	☒ ISO 9000	☒ ISO 14000	☐ Other	If "other", please specify:
Other information: We 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?				☒ Not relevant	☐ Yes ☐ No
In accordance with the regulations of the Swedish Chemicals Agency, please state:				Classification Labelling	☒ Not relevant
Is the product registered in BASTA?					☒ Yes ☐ No
Has the product been eco-labelled?	☐ Criteria not found	☒ Yes	☐ No	If "yes", please specify: Floorscore certified, M1 RTS Finland certified, Most products Nordic Eco Label - Swan certified, CARB 2 certified, E1 EU certified, German DIBt certified, French VOC A+ Certified, BPD3 this form, certified as recommended, Blue Angel Germany certified	
Is there a Type III environmental declaration for the product?					☐ Yes ☒ 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)**	**Classifi-cation**	**Comments**

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

Surface treatment	based on natura oils and hardwax finish	< ,1%	n/a	n/a	
Surface layer	chemically untreated wood surface	≈ 30%	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..	≈ 57%	n/a	n/a	
Bottom layer	chemically untreated spruce veneer	≈ 9%	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 **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:

☐ 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".

☒ 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate".

☐ 3) Other limitation. State what:

The report relates to unit of product	☐ Reported product	☐ The product's product group	☒ The product's production unit

Indicate **raw materials and intermediate goods** used in the manufacture of the product		☐ Not relevant
Raw material/intermediate goods	Quantity and unit	Comments
hardwood	≈2500 g/m2	
softwood middle and veneer bottom	≈4800 g/m2	
Glue Oil	≈280 g/m2 ≈11 g/m2	

Indicate **recycled materials** used in the manufacture of the product		☐ Not relevant
Type of material	Quantity and unit	Comments

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

Enter the **energy** used in the manufacture of the product or its component parts		☐ Not relevant
Type of energy	Quantity and unit	Comments
sustainable hydropower electrictiy	≈8,5 kWh/m2	nybro factory site
biofuel heat energy, wood byproduct	≈10 kWh/m2	nybro factory site

Enter the **transportation** used in the manufacture of the product or its component parts		☐ Not relevant
Type of transportation	Proportion %	Comments
transport trucks	≈23%	
container ships railway	≈76% ≈1%	

Enter the **emissions to air, water or soil** from the manufacture of the product or its component parts		☐ Not relevant
Type of emission	Quantity and unit	Comments
VOC	≈0,7 g/m2	
dust - collected	≈0,7 g/m2	

Enter the **residual products** from the manufacture of the product or its component parts					☐ Not relevant
			Proportion recycled		
Residual product	Waste code	Quantity	Material recycled %	Energy recycled %	Comments
paper waster, plastic, metal		215 ton	100%		
mixed waste hazardous waste/incinerated		160 ton 160 ton	0% 0%	96% 30%	4% to landfill estimated energy generated

Is there a description of the data accuracy for the manufacturing data?	☒ Yes	☐ No	If "yes", please specify: Kährs audited EMAS report, found at Kahrs.com

Other information: EMAS - eco management audit scheme, EU enviromental 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?	☐ Not relevant	☐ Yes	☒ No
Does the supplier put into practice any systems involving multi-use packaging for the product?	☐ Not relevant	☒ Yes	☐ No
Does the supplier take back packaging for the product?	☐ Not relevant	☐ Yes	☒ No
Is the supplier affiliated to REPA?	☐ Not relevant	☒ Yes	☐ 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?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: read instructions
Are there any special requirements for adjacent building products because of this product?	☐ Not relevant	☒ Yes	☐ 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

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?		☒ Yes	☐ No	If "yes", please specify:		
Does the product have any special energy supply requirements for operation?		☐ Yes	☐ 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.	☐ 5 years	☐ 10 years	☐ 15 years	☒ 25 years	☐ >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)?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Other information:				

10 Waste management

Is it possible to re-use all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: yes, if float in installation
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Is it possible to recycle energy for all or parts of the product?	☐ Not relevant	☒ Yes	☐ 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?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Enter the waste code for the **supplied** product 170201 EU				
Is the **supplied** product classed as hazardous waste?			☐ Yes	☐ 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?			☐ Yes	☒ 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:	☐ The product does not have any emissions		
Type of emission	**Quantity [µg/m²h] or [mg/m³h]**	**Method of measurement**	**Comments**
	4 weeks / **26 weeks**		
TVOC	28 days: 0,086 mg/m³	TVOC measured with Tenax sampling and subsequent thermodesorption	

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

			and analysis by GC / MSD DIN ISO 16000-6.	
Formaldehyde	14 days: 0,01 mg/m³ air		717-1	

Can the product itself give rise to any noise?		☐ Not relevant	☐ Yes	☒ No
Value	Unit	Method of measurement		
Can the product give rise to electrical fields?		☐ Not relevant	☐ Yes	☒ No
Value	Unit	Method of measurement		
Can the product give rise to magnetic fields?		☐ Not relevant	☐ Yes	☒ No
Value	Unit	Method of measurement		
Other information: Chamber method, formaldehyde chamber method, protocol 2013-04-23				

References

Appendices