BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification			Document ID 1042en
Product name Gutter/accessories in copper	Product no/ID designation R, K21, K16, K07, RG, RGV, RGH, RVI, RVY, SRÖR, MST, BK70, BM70, GRÖR, VATK, UTK, BUTK, RER, RERGH, RERGV, REK07, REK21, REOK		Product group Rainline
☒ 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) 2013-01-25			Inspected without revision on (date)
Other information:			

2 Supplier information

Company name Lindab Profil AB			Company reg. no/DUNS no 556071-4320	
Address 26982 BÅSTAD			Contact person Quality/Environment department	
			Telephone +46-431-85000	
Website: www.lindab.se			E-mail profil@lindab.se	
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:				

3 Product information

Country of final manufacture Sweden			If country cannot be stated, please state why		
Area of use Construction					
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:	
Is there a Type III environmental declaration for the product?				☐ Yes	☒ No
Other information:					

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

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
Copper	Copper	99.9	7440-50-8		EN-1172

Other information: The indicated standard specifies requirements for the contents and quality of the copper.

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 1 kg	☐ 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
Copper	99.9%	
Vegetable oils-based lubricant emulsion	<0.1%	

Indicate **recycled materials** used in the manufacture of the product		☐ Not relevant
Type of material	Quantity and unit	Comments
Copper	70%	Average amount of recycled copper.

Enter the **energy** used in the manufacture of the product or its component parts		☐ Not relevant
Type of energy	Quantity and unit	Comments
Electricity	??	Approx. 61% from renewable resources

Enter the **transportation** used in the manufacture of the product or its component parts		☐ Not relevant
Type of transportation	Proportion %	Comments
Transport of copper (train)	95%	
Transport of copper to PU (truck)	5%	The copper is transported from swedish harbour.
Internal transports (electric fork-lift)	100%	

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

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
Copper scrap	20 01 40	5%	100		Recycled on smelting plant
Emulsions	20 01 26*	< 0.001 kg	100		Water and oil is recycled
Wipes	15 02 02*	< 0.0001 kg		100	Incineration with heat recovery
Is there a description of the data accuracy for the manufacturing data?	☒ Yes	☐ No	If "yes", please specify: Registred in management system		

Other information: The information above is valid for production unit in Sweden
Hazardous waste is collected and treated by waste company with proper permits.
GWP (climate impact from cradle-to-gate): 8.2 kg CO2-e/kg product

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: The packaging materials include wood, cardboard, and plastic wrap.
The products are transported by truck to customers and/or local branches.
The average transporting distance is <500 km.

7 Construction phase

Are there any special requirements for the product during storage?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Are there any special requirements for adjacent building products because of this product?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:

Other information: The products are primarily delivered in standard dimensions to customers.

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 * See comment
b) Reference service life estimated to be in the interval of years						

Other information: * The products can be affected by the environment where they are being used. Corrosive environments may shorten the products lifetime.

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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: The use of standarddimensions makes it easier to reuse the products.				

10 Waste management

Is it possible to re-use all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: The product can be reused
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: 100% of the material is recycable.
Is it possible to recycle energy for all or parts of the product?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
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: Recycle with copper construction products.
Enter the waste code for the **supplied** product 20 01 40				
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 17 04 01				
Is the **built in** product classed as hazardous waste?			☐ Yes	☒ No
Other information: The EWC code for built in products includes copper containing construction and demolition wastes.				

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**		
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: The products are normally used on the outside of the building. The raw material does not cause any hazardous emissions.				

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

References

(1) EN-1172 Copper and copper alloys. Sheet and strip for building purposes

(2) Carbon Footprint study for Lindab produkts perforrmed by WSP 2010.

Appendices