BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification			Document ID 100
Product name Steel UNIT HEATER	Product no/ID designation A.1000		Product group UNIT HEATERS
☒ 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) 20/01/2015			Inspected without revision on (date)
Other information: The unit heater consists of a hot dipped galvanized steel heating element in a galvanised steel enclosure. A motorized fan forces air through the heating element which in turn heats up the room.			

2 Supplier information

Company name Verco-Versichele			Company reg. no/DUNS no BE0401058871	
Address Industrielaan 27-31 B-9800 Deinze			Contact person Timothee Duran Telephone +32-(0)9 386 48 46	
Website: www.verco.eu			E-mail info@verco.eu	
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: Production monitored - ABB Vinçotto				

3 Product information

Country of final manufacture Belgium				If country cannot be stated, please state why	
Area of use industrial halls, sport halls, lage rooms...					
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:					

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**
Motor	Copper	2 - 1%	CU 99.9		
Motor	Aluminium	2 - 1%	EN AC-AlSi10Mg(a)		

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

Motor	Steel	6 - 5%	S235		
Fan blades	Steel	2 - 1%	S235		
Heat exchanger	Steel	47 - 66%	S195T		Hot dip galvanised
Heat exchanger	Zinc	12 - 16%	231-175-3		
Enclosure	Galvanized steel sheet	29 - 10%	DC01 +ZE EN 10152		ZE 25/25

Other information: The motorized fan does not contain any kind of PCB. The motor is a asynchrone motor and does not need circuit boards.

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
Galvanized steel sheet	11,5 - 21,3 kg	A.1429 … A.1769
Sheet steel (S195T)	18,4 - 148,8 kg	A.1429 … A.1769
Zinc (galvanisation)	4,6 - 148,8 kg	A.1429 … A.1769
Fan - Motor	4,7 - 20 kg	A.1429 … A.1769
Bolts	0,8 kg	A.1429 … A.1769

Indicate **recycled materials** used in the manufacture of the product		☐ Not relevant
Type of material	Quantity and unit	Comments
Steel		During the production of steel, x% scrap metal is always used

Enter the **energy** used in the manufacture of the product or its component parts		☐ Not relevant
Type of energy	Quantity and unit	Comments
Electricity	8,4 kWh	

Enter the **transportation** used in the manufacture of the product or its component parts		☐ Not relevant
Type of transportation	Proportion %	Comments
Road	40 %	
Sea	60 %	

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
Metal scrap	12 01 01		100		
Is there a description of the data accuracy for the manufacturing data?	☐ Yes	☒ No	If "yes", please specify:		
Other information:					

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:			

7 Construction phase

Are there any special requirements for the product during storage?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: dry and >5°C
Are there any special requirements for adjacent building products because of this product?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Other information:				

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: 70 - 1080 W electricity and hot water	
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 With service every 10 years (possible change of fan)
b) Reference service life estimated to be in the interval of years						
Other information:						

9 Demolition

Is the product ready for disassembly (taking apart)?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: Galvanised sheet steel, insulated wiring.
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	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify:

product?				The product can be disconnected and reused.
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: Steel, Cu, Al
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:
Enter the waste code for the **supplied** product 17 04 07				
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**		

Can the product itself give rise to any noise?		☐ Not relevant	☒ Yes	☐ No
Value 47 - 62	Unit dB(A)	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:				

References

Appendices