BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification			Document ID 19.1
Product name ZRS220, ZRS230	Product no/ID designation 43122100-43122400, 43123100-43123400		Product group 4312
☐ 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) 2020-04-01			Inspected without revision on (date)
Other information:			

2 Supplier information

Company name ESBE AB			Company reg. no/DUNS no	
Address Bruksgatan 22 SE-333 75 REFTELE			Contact person Telephone +46 371 570 100	
Website: www.esbe.eu			E-mail order@esbe.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:				

3 Product information

Country of final manufacture Sweden			If country cannot be stated, please state why	
Area of use Hot Water- and Heating installations				
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 Candidate list 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: see product data sheet at ESBES home page				

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**
Brass	CW614N	63%	12597-71-6		SV HC-subject (lead)
Plastics		9% PC ABS	 24936-68-3 9003-56-9		

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

Steel		5%	68467-81-2		
Electronics, others		23%			

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: Lead is included in the candidate list (SV HC subject). Reporting to Echa is done by the raw material supplier.

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

Indicate **recycled materials** used in the manufacture of the product ☐ Not relevant

Type of material	Quantity and unit	Comments

Enter the **energy** used in the manufacture of the product or its component parts ☐ Not relevant

Type of energy	Quantity and unit	Comments

Enter the **transportation** used in the manufacture of the product or its component parts ☐ Not relevant

Type of transportation	Proportion %	Comments

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

Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	

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

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:
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:	
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 10-30 years						
Other information:						

9 Demolition

Is the product ready for disassembly (taking apart)?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: Screws
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:
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: Metal components
Is it possible to recycle energy for all or parts of the product?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: Plastic components
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 Metal: EWC 200140, Plastics: EWC 200139 Paper EWC 200101				

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

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	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:				

References

Appendices