

BUILDING PRODUCT DECLARATION BVD 3

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

1 Basic data

Product identification		Document-ID BVD 231
Product name SILVER C-04/05, 07/08, 11/12, 14/20, 25/30, 35/40, 50/60, 70/80, 100/120	Product no./ID designation	Product group SILVER-C AIR HANDLING UNIT
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	In the case of a revised declaration	
	Has the product been changed?	The change relates to
	<input type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) January 10, 2014		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name Swegon AB		Company reg. no./DUNS no. 556077-8465	
Address Box 300 SE-535 23 Kvånum, Sweden		Contact person Dan Örtengren	
Website: www.swegon.com		Telephone +46 512-32200	
Does the company have an environmental management system?		E-mail info@swegon.se	
		<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:			

3 Product information

Country of final manufacture Sweden		If country cannot be stated, please state why	
Area of use Ventilation of buildings			
Is there a Material Safety Data Sheet for this product?		<input checked="" type="checkbox"/> Not relevant <input type="checkbox"/> Yes <input type="checkbox"/> No	
In accordance with the regulations of the Swedish Chemical Agency, please state:		Classification Labelling <input checked="" type="checkbox"/> Not relevant	
Is the product registered in BASTA?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the product eco-labelled?	<input checked="" type="checkbox"/> Criteria not found <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "yes", please specify:	
Is there a Type III Environmental Declaration for this product?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Other information: Eurovent approved			

4 Contents

(To add a new green row, tab ahead from the last green row's white comments box or select and copy an entire empty row and paste it in. See the instructions for further information.)

At the time of delivery, the product comprises the following parts/components and the chemical composition stated:					
Constituent materials/Components	Constituent substances	Weight % or g	EG no./ CAS no. (or alloy)	Classification	Comments

The particulars in the green-shaded field are requirements according to the guidelines of the Ecocycle Council.

Aluminium-zinc coated sheet steel, DX51D AZ185		63,23 %	EN 10346:2009		
	Iron	62 %	7439-89-6		
	Aluminium	0,72 %	7429-90-5		
	Zinc	0,51 %	7440-66-6		
Galvanized sheet steel, DOGAL 300 LAD		11,11 %	EN 10346:2009		
	Iron	10,9 %	7439-89-6		
	Zinc	0,21 %	7440-66-6		
Other metals					
	Steel	0,61 %	68467-81-2		
	Aluminium	12,5 %	7429-90-5		
Motors		7,2 %			
	Iron		7439-89-6		
	Copper	≤2,16 %	7440-50-8		
Electronic devices (circuit cards)		0,5 %			
	Bisphenol A	≤0,15 %	80-05-7		
	Lead	<0,0005 %	7439-92-1		
	Epichlorhydrin	≤0,075 %	106-89-8		
	Glass fibre	≤0,3 %	65997-17-3		
	Copper	<0,15 %	7440-50-8		
	Silver	<0,005 %	7440-22-4		
	Tin	<0,005 %	7440-31-5		
	Tetrabrombisphe nol A (TBBP-A)	≤0,085 %	79-94-7		
Polymeric materials					
Decals	Polycarbonate	0,045 %	24936-68-3		
Handles	Polyamide (PA6)	0,26 %	25038-54-4		
Hoses	PVC	0,072 %	9002-86-2		
D sealing strips	EPDM	0,39 %	61789-00-2		
VT sealing strips	PVC	0,09 %	9002-86-2		
Condensate mat	Polythene	0,082 %	9002-88-4		
Situseal sealing strip	Polyether	0,014 %	64060-31-7		
Bristled sealing strip	Polypropylene	0,047 %	9003-07-0		
Mineral wool		2,7 %	287922-11-6		
	Mineral wool	2,56 %			
	Phenol	<0,1 %	108-95-2		
	Formaldehyde	<0,1 %	50-00-0		
	Urea	<0,12 %	57-13-6		
	Mineral oil	0,02 %			
Filters		1,15 %			
	Polystyrene	0,58 %	9003-53-6		

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	Polyester	0,55 %	25038-59-9		
	Glass fibre	0,02 %	65997-17-3		
Other information: Selection of air handling unit size and configuration can slightly affect the constituent materials. Calculated on SILVER C-20-RX, total weight of 557 kg. The product does not contain any nanoparticles.					

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)	Classification	Comments

Other information:

5 Production phase

Resource utilisation and environmental impact during production of the product is reported in one of the following ways:

☒ 1) Inflows (raw materials, 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	<input type="checkbox"/> Reported product	<input type="checkbox"/> The product's product group	<input checked="" type="checkbox"/> The product's production unit
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Specify **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

The particulars in the green-shaded field are requirements according to the guidelines of the Ecocycle Council.

Enter the residual products from the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant
Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	
Is there a description of the data accuracy for the manufacturing data?	<input type="checkbox"/> Yes	<input type="checkbox"/> 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?	<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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier take back packaging for this 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:			

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:)*
Are there any special requirements for adjacent building products because of this product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:)* See the instructions for installation and maintenance.				

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Does the product involve any special energy supply requirements for operation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Voltage, 240-400V AC			
Estimated technical service life for the product is to be entered according to one of the following options a) or b) below:						
a) Reference service life estimated as being approximately	<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: The reference service life applies to "normal operation" according to the product data sheet in force when the product is delivered.						

9 Demolition

The particulars in the green-shaded field are requirements according to the guidelines of the Ecocycle Council.

Is the product ready for disassembly (taking apart)?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: All components can be disassembled for sorting the different types of material into separate bins for recycling.
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 recycle all or parts of the product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle materials 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: See constituent material/Components
Is it possible to recycle energy for all or parts of the product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Does the supplier have any restrictions and recommendations for re-use, material or energy recycling or waste disposal?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Enter the waste code for the supplied product 20 01 40				
Is the supplied product classified as hazardous waste?			<input type="checkbox"/> Yes	<input checked="" 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 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 classified as hazardous waste?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other information:				

11 Indoor environment

(To add a new green row, tab ahead from the last green row's white comments box or select and copy an entire empty row and paste it in. See the instructions for further information.)

When used as intended, the product gives off the following emissions:			<input checked="" 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		
Can the product itself give rise to any noise?			<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit		Method of measurement:	
Can the product give rise to electrical fields?			<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Value	Unit		Method of measurement	

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Can the product give rise to magnetic fields?		<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Value	Unit	Method of measurement		
Other information: The sound data is specified for each separate air handling unit in the technical supporting documents with regard to duty point. The EMC and LVD are met - we refer to the EU Declaration of Conformity.				

References

<http://www.swegon.com/en/Products/Air-Handling-Units/SILVER-C-One-Piece-Units>

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