

BUILDING PRODUCT DECLARATION BVD 3

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

1 Basic data

Product identification		Document ID BVD 230
Product name GOLD-04/05, 07/08, 11/12, 14/20, 25/30, 35/40, 50/60, 70/80, 100/120 Ver. E	Product no./ID designation	Product group GOLD 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) March 20, 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 Kvänum, 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, Passive House approved component			

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.

Granite HDS (Painted sheet steel)					
	Iron	20,5 %	7439-89-6		
	Aluminium	0,013 %	7429-90-5		
	Zinc	0,25 %	7440-66-6		
	Formaldehyde	$4,7 \cdot 10^{-5}$ %	50-00-0		
	Melamine polymer	0,02 %			
	Epoxy resin	0,016 %	25068-38-6		
	Hexane, 1.6-diisocyanate, homopolymer	0,0075 %	85940-94-9		
	Hexamethylene diisocyanate	$1,83 \cdot 10^{-5}$ %	822-06-0		
	2-Butanone oxime	$1 \cdot 10^{-4}$ %	96-29-7		
	Saturated polyester	0,1 %			Hardened
	Silicon dioxide	0,019 %	7631-86-9		
	Calcium silicate	$4,5 \cdot 10^{-4}$ %	1344-95-2		
	Titanium dioxide	0,036 %	13463-67-7		
	Dibutyltin dilaurate	$5,91 \cdot 10^{-4}$ %	77-58-7		
	Dodecylbenzenesulfonic acid	$3,23 \cdot 10^{-4}$ %	27176-87-0		
	Phosphoric acid	0,002 %	7664-38-2		
	Acrylic polymer	0,0017 %			
	Polyethylene	0,24 %	9002-88-4		
Aluminium-zinc coated sheet steel					
	Iron	40,6 %	7439-89-6		
	Aluminium	0,47 %	7429-90-5		
	Zinc	0,37 %	7440-66-6		
Galvanized sheet steel					
	Iron	10,9 %	7439-89-6		
	Zinc	0,21 %	7440-66-6		
Other metals					
	Steel	0,61 %	68467-81-2		
	Aluminium	11,8 %	7429-90-5		
Motors		7,2 %			
Electronic devices (circuit cards)		1,7 %			
Polymeric materials					

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Decals	Polycarbonate	0,045 %	24936-68-3		
Handles	Polyamide (PA6)	0,26 %	25038-54-4		
Junction hood	PC/ABS	0,13 %	24936-68-3 + 9003-56-9		
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	0,079 %	9002-88-4		
Situseal sealing strip	Polyether	0,014 %	64060-31-7		
Bristled sealing strip	Polypropylene	0,047 %	9003-07-0		
Mineral wool					
	Mineral wool	2,56 %			
	Adhesive	0,12 %			
	Dust-bonding oil	0,02 %			
Filters					
	Aluminium	0,58 %	7429-90-5		
	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 GOLD-20-RX, total weight of 557 kg. Zinc used internally only, no contact with water.					

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: <input checked="" type="checkbox"/> 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". <input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products, i.e. "cradle-to-gate". <input type="checkbox"/> 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
Specify raw materials and intermediate goods used in the manufacture of the product		<input checked="" type="checkbox"/> Not relevant	
Raw material/intermediate goods	Quantity and unit	Comments	
Indicate recycled materials used in the manufacture of the product		<input checked="" type="checkbox"/> Not relevant	

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Type of material	Quantity and unit	Comments
Enter the energy used in the manufacture of the product or its component parts		<input checked="" type="checkbox"/> Not relevant
Type of energy	Quantity and unit	Comments
Enter the transportation used in the manufacture of the product or its component parts		<input checked="" type="checkbox"/> 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		<input checked="" type="checkbox"/> Not relevant
Type of emission	Quantity and unit	Comments
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
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.				

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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

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:				

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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	
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/GOLD-One-Piece-Units---Version-E/>

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