

BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

| | | | |
|---|---|--------------------------------------|---|
| Product identification | | Document ID ROCa_BPD3_EN | |
| Product name ROCa | Product no/ID designation Reinforced terminals | Product group Air Diffuser | |
| <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 Version letter (small letter at the end of the product name) |
| Drawn up/revised on (date) 2014-12-12 | | Inspected without revision on (date) | |

Other information: The product data is taken from the reference size and is valid for all sizes of the product. The material specification is shown in % of the total weight. In the product sheet the weight is presented in kg or grams for each size

2 Supplier information

| | | | |
|--|--|---|--------------------------------|
| Company name Swegon AB | | Company reg. no/DUNS no 556077-8465 | |
| Address Industrigatan 5 SE-275 35 Tomelilla | | Contact person Product manager | |
| Website: www.swegon.com | | Telephone 0411-19800 | |
| E-mail tomelillasupport@swegon.se | | Does the company have an environmental management system? | |
| <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 Indoor climate | | | |
| Is there a Safety Data Sheet for this product? | | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes |
| <input type="checkbox"/> No | | <input checked="" type="checkbox"/> Not relevant | |
| In accordance with the regulations of the Swedish Chemicals 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 | | | <input checked="" type="checkbox"/> No |

| | | | | |
|------------------------------------|--|------------------------------|-----------------------------|---------------------------|
| Has the product been eco-labelled? | <input checked="" type="checkbox"/> Criteria not found | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If "yes", please specify: |
|------------------------------------|--|------------------------------|-----------------------------|---------------------------|

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

| | | |
|--|------------------------------|--|
| Is there a Type III environmental declaration for the product? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Other information: | | |

4 Contents

| 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) | Classification | Comments |
| Steel | Hot-dip galvanized steel sheet | 63,81% | EN10327 DX51D+Z275 | | |
| Steel | Cold rolled steel sheet | 31,46% | EN10130DC04 | | |
| Color | Powder coating Axalta, Alesta EP40009136627 NCS S 0500-N | 3,45% | EG1272/2008 CAS 54553-91-2 EC259-226-5 | | |
| | <i>Polyester resin</i> | <i>1,1027%*</i> | | | |
| | <i>Epoxy resin</i> | <i>0,8270%*</i> | | | |
| | <i>Other pigments</i> | <i>1,4818%*</i> | | | |
| | <i>Benzene tetra carbon acid</i> | <i>0,0345%*</i> | CAS 54553-91-2 EC 259-226-5 | | |
| Fasteners | Galvanized | 0,16% | | | |
| Fasteners | Steel | 0,57% | | | |
| Packing | Rubber | 0,55% | | | |
| | <i>EPDM polymers1+2</i> | <i>0,1655%*</i> | 25038-36-2 | | |
| | <i>Carbon Black</i> | <i>0,1931%*</i> | 1333-86-4 | | |
| | <i>Mineral Oil</i> | <i>0,1103%*</i> | 64741-88-4 Not R45 | NOTE! Free from R45 | Consumed during the vulcanization process of our subcontractor |
| | <i>Calciumcarbonate</i> | <i>0,0827%*</i> | 471-34-1 | | |

Other information: *specified percentage of the total weight of the constituent substance. The mineral oil in the packing (EPDM-rubber) is not present in the final product that we produce.

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 item is reported in one of the following ways: | | | | | |
| <input checked="" type="checkbox"/> 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”. | | | | | |
| <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 type="checkbox"/> The product's production unit |
| Indicate 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 |
| 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 |
| | | | | Proportion recycled | |
| | | | | Material recycled % | Energy recycled % |
| Residual product | Waste code | Quantity | | | Comments |
| | | | | | |
| | | | | | |
| 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 checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Does the supplier take back packaging for the 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 type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: *) |
| Are there any special requirements for adjacent building products because of this product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |

Other information: *) See manual or maintenance instructions

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 have any special energy supply requirements for operation? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> 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. | <input type="checkbox"/> 5 years | <input type="checkbox"/> 10 years | <input type="checkbox"/> 15 years | <input type="checkbox"/> 25 years | <input type="checkbox"/> >50 years | Comments |
| b) Reference service life estimated to be in the interval of 15-25 years | | | | | | |

Other information: Estimated lifespan is based on "normal use" according to valid product sheet when 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: Assembly of parts |
|--|---------------------------------------|---|-----------------------------|---|

| | | | | |
|--|---------------------------------------|------------------------------|--|---------------------------|
| 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

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

| | | | | |
|--|---------------------------------------|---|--|--|
| Is it possible to re-use all or parts of the product? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | If "yes", please specify: The product can be re-used/freshened up |
| 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: 95% sheet scrap |
| Is it possible to recycle energy for all or parts of the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Enter the waste code for the supplied product: 95% Iron and steel 17 04 05, remaining is other waste 16 01 99. | | | | |
| Is the supplied product classed 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 classed as hazardous waste? | | <input type="checkbox"/> Yes <input type="checkbox"/> 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: | | <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 | | |
| | | | | |

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|--|--|--|--|--|
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|--|------|---------------------------------------|------------------------------|--|
| Can the product itself give rise to any noise? | | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value | Unit | Method of measurement | | |
| Can the product give rise to electrical fields? | | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value | Unit | Method of measurement | | |
| Can the product give rise to magnetic fields? | | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value | Unit | Method of measurement | | |
| Other information: In case of wrong installation and sizing there may be emission. The products sound generation's shown in the product sheet. Electrical and magnetic fields are reported in the product sheet and/or CE-declaration. | | | | |

References

Appendices