

BUILDING PRODUCT DECLARATION BPD 3
in compliance with the guidelines of the Ecocycle Council, June 2007

1 Basic data

| | | |
|---|--|---|
| Product identification | | Document ID |
| Product name Solatube Daylighting System | Product no/ID designation 500160 ; Solatube 160DS 500290 ; Solatube 290DS 500330 ; Solatube 330DS 500750 ; Solatube 750DS 500740 ; Solatube M74DS | Product group Solatube Tubular Daylighting Systems |
| <input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration | In the case of a revised declaration | |
| | Has the product been changed? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | The change relates to Changed product can be identified by |
| Drawn up/revised on (date) 2015-05-08 | | Inspected without revision on (date) |
| Other information: | | |

2 Supplier information

| | | | |
|---|--|---|--|
| Company name Daylight Nordic AB | | Company reg. no/DUNS no | |
| Address August Barks gata 25 421 32 Västra Frölunda | | Contact person Telephone 031-7085100 | |
| Website: www.solatube.se | | E-mail info@daylightnordic.com | |
| Does the company have an environmental management system? | | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| The company possesses certification in compliance with | <input type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO 14000 | <input type="checkbox"/> Other | If "other", please specify: |
| Other information: | | | |

3 Product information

| | | | |
|---|---|--|---|
| Country of final manufacture USA | If country cannot be stated, please state why | | |
| Area of use Commercial, residential, industrial | | | |
| Is there a Safety Data Sheet for this product? | | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| In accordance with the regulations of the Swedish Chemicals Agency, please state: | Classification Labelling | | <input type="checkbox"/> Not relevant |
| Is the product registered in BASTA? | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Has the product been eco-labelled? | <input type="checkbox"/> Criteria not found | <input type="checkbox"/> Yes <input type="checkbox"/> No | If "yes", please specify: |
| Is there a Type III environmental declaration for the product? | | | <input type="checkbox"/> Yes <input type="checkbox"/> 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 |

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

| | | | | | |
|---|--|-----|--|--|---|
| Dome | Injection Molded Acrylic | 25% | | | Please see architectural specifications attachment. |
| Flashing | Sheet steel, corrosion resistant, meeting ASTM A 463/A 463M, 0.028 inch (0.7 mm) plus or minus .006 inch (.015 mm) thick. | 40% | | | Please see architectural specifications attachment. |
| Reflective Tubing | Aluminum sheet, thickness 0.018 inch (0.5 mm). | 25% | | | Please see architectural specifications attachment. |
| Ceiling Level Diffuser / Transition Box | Molded acrylic plastic classified as CC2 material (nominal thickness 0.090 inches (2.29 mm) with injection molded acrylic Diffuser Trim Ring. Type L4. | 10% | | | Please see architectural specifications attachment. |

Other information: Percentages are an average, and may vary depending on exact product needed for installation.

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 type="checkbox"/> Not relevant |
| Raw material/intermediate goods | Quantity and unit | Comments | |
| see number 4 | | | |
| | | | |
| Indicate recycled materials used in the manufacture of the product | | | <input type="checkbox"/> Not relevant |
| Type of material | Quantity and unit | Comments | |
| | | | |

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| | | | | | |
|---|------------------------------|---|---------------------------|-------------------|----------|
| Enter the energy used in the manufacture of the product or its component parts | | <input type="checkbox"/> Not relevant | | | |
| Type of energy | Quantity and unit | Comments | | | |
| Elektricitet | 100% | 2.71 kg CO2 per Solatube unit produced. See attached document | | | |
| Enter the transportation used in the manufacture of the product or its component parts | | <input type="checkbox"/> Not relevant | | | |
| Type of transportation | Proportion % | Comments | | | |
| Boat | 80% | | | | |
| Truck | 20% | | | | |
| 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 | 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 checked="" type="checkbox"/> Yes | <input 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 checked="" type="checkbox"/> Yes | <input 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: | | | | |

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 checked="" type="checkbox"/> 25 years | <input type="checkbox"/> >50 years | Comments: Warranty of 10 |

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| | | |
|--|-------|--------|
| b) Reference service life estimated to be in the interval of | years | years. |
| Other information: | | |

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: Solatube is easy to disassemble |
| 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 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: Recycling to recyclingstations |
| 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: Recycling to recyclingstations |
| Is it possible to recycle energy 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: Recycling to recyclingstations |
| 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 | | | | |
| 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 170904 | | | | |
| Is the built in product classed as hazardous waste? | | | | <input type="checkbox"/> Yes <input checked="" 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 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 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 | |

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Other information:

References

<http://www.solatube.com/commercial/technical-resources/>

Appendices

Architectural Specifications (1-7):

M74 DS

160 DS

290 DS

330 DS - O

330 DS - C

750 DS - O

750 DS - C

CO2 Letter