

## BUILDING PRODUCT DECLARATION BPD 3

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

### 1 Basic data

<b>Product identification</b>		Document ID 20161011
Product name Altech Samlingsbrunnar	Product no/ID designation Runda och Nova	Product group Altech Samlingsbrunnar
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	<b>In the case of a revised declaration</b>	
	Has the product been changed?	The change relates to
	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date)		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name Dahl Sverige AB		Company reg. no/DUNS no 556287-0229	
Address Box 67 177 22 Järfälla		Contact person Beriar Maroof	
		Telephone 08-58359500	
Website: www.dahl.se		E-mail info@dahl.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 Poland		If country cannot be stated, please state why	
Area of use Heating and cooling, building industry, renewables			
Is there a Safety Data Sheet for this product?		<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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
Has the product been eco-labelled?	<input 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 the product?			<input type="checkbox"/> Yes <input checked="" 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)	Classification	Comments
Polyethylene pipes, fittings as a part of geothermal manifolds and collectors	Polyethylene (HDPE 100/RC)	95	LSH (HDPE 100 RC)	none toxic	
flowmeters, valves	brass	5	CW614N (WMD standard)	none toxic	

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 <b>finished built in product</b> 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

<b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>						
<input type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the outflows (emissions and residual products) from it, i.e. from “gate-to-gate”.						
<input checked="" 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 checked="" type="checkbox"/> The product’s product group	<input type="checkbox"/> The product’s production unit	
Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product					<input type="checkbox"/> Not relevant	
Raw material/intermediate goods		Quantity and unit		Comments		
HDPE rasin dyed dark						
Indicate <b>recycled materials</b> used in the manufacture of the product					<input checked="" type="checkbox"/> Not relevant	
Type of material		Quantity and unit		Comments		
Enter the <b>energy</b> used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant	
Type of energy		Quantity and unit		Comments		
electricity						
Enter the <b>transportation</b> used in the manufacture of the product or its component parts					<input type="checkbox"/> Not relevant	
Type of transportation		Proportion %		Comments		
road		90				
sea		10				
Enter the <b>emissions to air, water or soil</b> 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 <b>residual products</b> from the manufacture of the product or its component parts					<input checked="" type="checkbox"/> Not relevant	
Residual product		Waste code		Proportion recycled		Comments
				Material recycled %	Energy recycled %	
Is there a description of the data accuracy for the manufacturing data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If “yes”, please specify: Pipes and fitting originate in FV Plast in Czech Republic and are assembled into geothermal		

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

			manifolds in Poland by Aspol FV. Production bases on roto-moulding and injection of HDPE. Butt and socket welding technology gives a final shape of manifolds.
Other information: Road transportation			

## 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 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 type="checkbox"/> Yes	<input checked="" 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: Keep product away from UV exposure. Ambient temp range: -20C up to plus 40C.
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 type="checkbox"/> 25 years	<input checked="" type="checkbox"/> >50 years
b) Reference service life estimated to be in the interval of _____ years					
Comments: Life expectancy refers to HDPE joints and all plastic (HDPE) parts. Brass valves and flowmeters have reference life estimated to be 10 years					
Other information:					

## 9 Demolition

Is the product ready for disassembly (taking apart)?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle materials for all or	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:

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parts of the product?				
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 <b>supplied</b> product 170203, 170401				
Is the <b>supplied</b> 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 <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted.				
Enter the waste code for the <b>built in</b> product				
Is the <b>built in</b> 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 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		
Other information:				

## References

## Appendices