

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	Product no/ID designation ED50..., ED150..., ED250... and more	Product group
Surge protection devices		
<input 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 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 Elrond Komponent AB		Company reg. no/DUNS no	
Address Åvägen 38A 141 30 Huddinge		Contact person	
		Telephone +46 (0)8 449 80 80	
Website: www.elrond.se		E-mail info@elrond.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 type="checkbox"/> ISO 14000	<input type="checkbox"/> Other	If "other", please specify:
Other information: Manufacturing company in Slovenia is ISO9000 approved and has an environmental management system.			

3 Product information

Country of final manufacture	Slovenia	If country cannot be stated, please state why		
Area of use	Lightning and surge protection			
Is there a 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 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

Other information: See enclosure					
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)	Classifi- cation	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 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	
Indicate recycled materials used in the manufacture of the product					<input 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 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 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 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 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:					

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

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 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 type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input 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 type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments Not applicable
b) Reference service life estimated to be in the interval of	years					
Other information:						

9 Demolition

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

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

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 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 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 type="checkbox"/> No
Value		Unit	Method of measurement	
Other information:				

References

Appendices

Constituent materials / components	Constituent substance	% weight	CAS Number
MODULE HOUSING	Polybutyleneterephthalate (PBT)	4,704097117	25038-54-4
MODULE COVER	Polybutyleneterephthalate (PBT)	7,663125948	25038-54-4
LENS	Polycarbonate (PC)	0,037936267	25037-45-0
INDICATOR 1	Polyamide (PA)	0,379362671	
INDICATOR 2	Polyamide (PA)	0,682852807	
VOLTAGE INDICATOR 1	Polycarbonate (PC)	0,075872534	25037-45-0
VOLTAGE INDICATOR 2	Polycarbonate (PC)	0,075872534	25037-45-0
BASE HOUSING	Polybutyleneterephthalate (PBT)	18,28528073	25038-54-4
BASE COVER	Polybutyleneterephthalate (PBT)	5,31107739	25038-54-4
SHAFT	Polybutyleneterephthalate (PBT)	0,075872534	25038-54-4
LABEL	Polyethylene (PE)	0,113808801	25213-02-9
MOV	Metal Oxide 74%	9,635811836	
	Copper 14%		
	Epoxy (EP) 12%		
EPOXY RESIN	Epoxy (EP)	11,30500759	
BASE CONTACT	CuZn37 74%	13,12594841	
	CuZn23Al3Co 23%		
	Ni 1%	7440-02-0	
	Sn 2%	7440-31-5	
ELECTRODE 1	Cu 98%	1,593323217	7440-50-8
	Sn 2%	7440-31-5	
ELECTRODE 2	Cu 98%	1,745068285	7440-50-8
DISCONNCTING CONTACT	CuSn6 97%	1,631259484	
	Ni 1%	7440-02-0	
	Sn 2%	7440-31-5	
CABLE HOLDER	Steel 98%	8,952959029	7439-89-6
	Zn 2%	7440-66-6	
SCREW	Steel 98%	5,918057663	7439-89-6
	Zn 2%	7440-66-6	
SPRING 1	Spring Steel	0,303490137	7439-89-6

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

SPRING 2	Spring Steel	0,227617602	7439-89-6	
SOLDER	Sn95.5Ag4Cu0.5	1,972685888		
CONTACT COVER	Polybutyleneterephthalate (PBT)			0,379362671 25038-54-4
RC CONNECTOR M	Polyamide (PA) 80%	1,707132018		
	Cu 20%	7440-50-8		
RC CONNECTOR F	Polyamide (PA) 80%	0,720789074		
	Cu 20%	7440-50-8		
MICROSWITCH	Polyamide (PA) 80%	0,417298938		
	Cu 20%	7440-50-8		
PCB ASSEMBLY	Woven glass 48%	0,303490137		
	Epoxy 50%			
	SnPb 2%			
CLIP	Steel 98%	2,655538695	7439-89-6	
	Zn plating 2%	7440-66-6		