

BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification		Document ID 1044en
Product name Battens, purlins, studs, high profile	Product no/ID designation RY, RYF, SKY, YVX, ÅA, MSK, MK, RCY, RZ, L, LPY, FLS, RDB, RDB7, RDBF, RDBX, SK, SKU, KR, KSK, FSK, HS, J, JL, TSKA, LP, KLP, LPP, HR, Z, ZS, C, CI, BL, S7, KL, KLH, KLS, LTP	Product group Battens, purlins, studs, high profile
<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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 2013-01-25		Inspected without revision on (date)
Other information:		

2 Supplier information

Company name Lindab Profil AB		Company reg. no/DUNS no 556071-4320	
Address 26982 BÅSTAD		Contact person Quality/Environment department	
		Telephone +46-431-85000	
Website: www.lindab.se		E-mail profil@lindab.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 Construction			
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 checked="" type="checkbox"/> Yes	<input 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:			
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)	Classifi- cation	Comments
Steel	Iron	93%	439-89-6		SS-EN 10346:2009
	Zinc	5%	7440-66-6		
	Manganese	0.8%	7439-96-5		
	Silicon	0.4%	7440-21-3		
	Carbon	0.2%	7440-44-0		
	Sulfur	0.1%	7740-34-9		
	Phosphorus	0.1%	7723-14-0		
Other information: The indicated standard specifies requirements for the contents and quality of the steel. All of Lindabs products are free from hexavalent chromium (Cr6+) since 2008/2009.					
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 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 1 kg	<input type="checkbox"/> Reported product	<input checked="" 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	
Steel	99.9%		
Vegetable oils-based lubricant emulsion	<0.1%		
Indicate recycled materials used in the manufacture of the product			<input type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments	
Steel	20%	In steel production approx. 20% old steel is used (2)	
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	
Electricity	??	Approx. 60% from renewable resources	

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

Enter the transportation used in the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant			
Type of transportation	Proportion %	Comments			
Transport of steel (train)	75%	The steel is mainly purchased within the EU.			
Transport of steel to PU (truck)	25%	Transported from swedish harbour			
Internal transports (electric forklift)	100%				
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 type="checkbox"/> Not relevant			
Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	
Steel scrap	20 01 40	5%	100		Recycled on steel plant
Emulsions	20 01 26*	< 0.001 kg	100		Water and oil is recycled
Wipes	15 02 02*	< 0.0001 kg		100	Incineration with heat recovery
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: Registered in management system		
Other information: The information above is valid for production unit in Sweden Hazardous waste is collected and treated by waste company with proper permits. GWP (climate impact from cradle-to-gate): 1.5 kg CO ₂ -e/kg product					

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: The packaging materials include wood, cardboard, and plastic wrap. The products are transported by truck to customers and/or local branches. The average transporting distance is <500 km.			

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: The products are primarily delivered in standard dimensions to customers.				

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
Comments * See comment					
b) Reference service life estimated to be in the interval of _____ years					
Other information: * The products can be affected by the environment where they are being used. Corrosive environments may shorten the products lifetime.					

9 Demolition

Is the product ready for disassembly (taking apart)?	<input checked="" 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: The use of standard dimensions makes it easier to reuse the products.				

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: The product can be reused
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: 100% of the material is recyclable.
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 type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: Recycle with steel construction products.
Enter the waste code for the supplied product 20 01 40				
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 17 04 05				
Is the built in product classed as hazardous waste?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other information: The EWC code for built in products includes iron and steel containing construction and demolition wastes.				

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		

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

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: The products are normally used on the outside of the building. The raw material does not cause any hazardous emissions.				

References

- (1) SS-EN10346:2009 Continuously hot-dip coated steel flat products - Technical delivery conditions
- (2) Widman J "Stålet och miljön". Stålbyggnadsinstitutet-Jernkontoret, Stockholm (2001).
- (3) Carbon Footprint study for Lindab produkts performed by WSP 2010.

Appendices