Building product declaration

according to BPD associations' standardised format eBVD

2024-08-08 09:56:32

Safe Silencer Insulated 17 - SLCU

1. COMPANY INFORMATION

Lindab Sverige AB

Company name:	Organisation number:
Lindab Sverige AB	556247-2273
Address:	Contact person:
Dolkvägen 16	Matilda Isaksson
E-mail:	Telephone:
matilda.isaksson@lindab.com	+46 72 353 44 61
VAT number:	Website:
	www.lindab.com
GLN:	DUNS:
7300009-00795-0	

Company was last saved

2022-04-22 09:15:47

Company's certification

- [x] ISO 9001
- [x] ISO 14001

Other:

Policies and guidelines

- [x] The company has a code of conduct/policy/guidelines for dealing with social responsibility in the supplier chain, including procedures for ensuring the requirements
- [ ] This is third-party audited

If yes, which if the following guidelines have you affiliated to or management system you have implemented

- [x] UN guiding principles for companies and human rights
- [x] ILO's eight core conventions
- [x] OECD Guidelines for Multinational Enterprises
- [x] UN Global Compact
- [ ] ISO 26000

Other policy guidelines

Management system

If you have a management system for corporate social responsibility, what out of the following is included in the work?

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- [x] Mapping
- [x] Risk analysis
- [x] Action plan
- [x] Monitoring

Sustainability reporting guidelines:

GRI (Global Reporting Initiative), GHG (Green House Gas Protocol)

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2. ARTICLE INFORMATION

Document data

Id:

A-7300009-00795-0-319

Version:

2

Created:

2024-08-08 09:48:09

Last saved:

2024-08-08 09:56:32

Changes relates to:

Update GTIN

Safe Silencer Insulated 17 - SLCU

Article name:

Safe Silencer Insulated 17 - SLCU

Article No/ID concept

Article identity: GTIN

7319661017924, 7319661017931, 7319661017948, 7319661034419, 7319661034426, 7319661034433, 7319661034440, 7319661034457, 7319661034464, 7319661034471, 7319661034488, 7319661034495, 7319661034501, 7319661034518, 7319661034525, 7319661034532, 7319661034549, 7319661034556, 7319661034563, 7319661034570, 7319661034587, 7319661034594, 7319661034600, 7319661034617, 7319661034624, 7319661034631, 7319661034648, 7319661034655, 7319661034662, 7319661034679, 7319661034686, 7319661034693, 7319661034709, 7319661034716, 7319661034723, 7319661034730, 7319661034747, 7319661034754, 7319661034761, 7319661034778, 7319661034785, 7319661034792, 7319661034808, 7319661034815, 7319661034822, 7319661034839, 7319661034846, 7319661034853, 7319661034860, 7319661034877, 7319661034884, 7319661034907, 7319661034914, 7319661127678, 7319661127685, 7319661379572, 7319661379589, 7319661379596, 7319661379602, 7319661379619, 7319661379626, 7319661379633, 7319661379640, 7319661379657, 7319661379664, 7319661379671, 7319661379688, 7319661379695, 7319661379701, 7319661379718, 7319661379725, 7319661379732, 7319661379749, 7319661379756, 7319661379763, 7319661379770, 7319661379787, 7319661379794, 7319661379800, 7319661379817, 7319661379824, 7319661379831, 7319661379848, 7319661379855, 7319661379862, 7319661379879, 7319661379886, 7319661379893, 7319661379909, 7319661379916, 7319661379923, 7319661379930, 7319661379947, 7319661379954, 7319661379961, 7319661379978, 7319661379985, 7319661379992, 7319661380004, 7319661380011, 7319661380028, 7319661380035, 7319661380042, 7319661380059, 7319661380066, 7319661380073, 7319661380080, 7319661380097, 7319661380103, 7319661380110, 7319661380127, 7319661380134, 7319661380141, 7319661380158, 7319661380165, 7319661633490, 7319661633506, 7319661633513, 7319661633520, 7319661633537, 7319661633551, 7319661633568, 7319661633575, 7319661633582, 7319661695368, 7319661695375, 7319661695382, 7319661695405, 7319661695412, 7319661695429, 7319662012058, 7319662012065, 7319662012072, 7319662012089, 7319662012096, 7319662012102, 7319662012119, 7319662058384, 7319662058391, 7319662058407, 7319662087001, 7319662087025, 7319662087049, 7319662087063, 7319662087087, 7319662087100, 7319662087124, 7319662087148, 7319662087162, 7319662087186, 7319662087209, 7319662087223, 7319662087247, 7319662087261, 7319662087285, 7319662087308, 7319662087322, 7319662087346, 7319662087360, 7319662087384, 7319662087407, 7319662087421, 7319662091060, 7319662091077, 7319662091084, 7319662091107, 7319662091114, 7319662091121, 7319662091145, 7319662091152, 7319662091169, 7319662091183, 7319662091190, 7319662091206, 7319662091213, 7319662091220, 7319662091237, 7319662091244, 7319662091251, 7319662091268, 7319662091282, 7319662091299, 7319662091305, 7319662091312, 7319662091329, 7319662091336, 7319662091343, 7319662091350, 7319662118330, 7319662118347, 7319662118354, 7319662118361, 7319662118378, 7319662790352, 7319662790369, 7319662790376, 7319662790383, 7319662790406, 7319662790413, 7319662790420, 7319662790437, 7319662790444, 7319662790468, 7319662790475, 7319662790482, 7319662790499, 7319662790505, 7319662790529, 7319662790536, 7319662790543, 7319662790550, 7319662790567, 7319662790574, 7319662790598, 7319662790604, 7319662790611, 7319662790628, 7319662790635, 7319662790642, 7319662790659, 7319662790666, 7319662790680, 7319662790697, 7319662790703, 7319662790727, 7319662790734, 7319662790741, 7319662790765, 7319662790789, 7319662790901, 7319662790918, 7319662790925, 7319662790932, 7319662790949, 7319662790963, 7319662790970, 7319662791540, 7319662791557, 7319662791564, 7319662791571, 7319662791595, 7319662791601, 7319662791618, 7319662791625, 7319662791632, 7319662791649, 7319662791656, 7319662791663, 7319662791687, 7319662791694, 7319662791700, 7319662791717, 7319662791724, 7319662791748, 7319662791755, 7319662791762, 7319662791779, 7319662791793, 7319662791809, 7319662791816, 7319662791823, 7319662791847, 7319662791854, 7319662791861, 7319662791885, 7319662791892, 7319662791908, 7319662791939, 7319662791946, 7319662791984

Product group/Product group classification

Product group system	Product group id
BK04	21002
BK04	21098
BSAB96	QKB

Article description:

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Circular straight silencer with a safe seal. Damping material is mineral wool. The SLCUs are made of strong spiral outer tube and a steel inner tube with small openings for clearance mechanical cleaning and at the same time do not disturb the damping. The space between them is filled with mineral wool and a fiber cloth is inserted between the inner tube and the damping material to prevent fibers from the insulation from entering the duct system.

The Building Product Declaration is created based on SLCU 250-900-50.
Assessments at Byggvarubedömningen etc. are registered under the name "Safe ljuddämpare isolerad 17 - SLCU".
It is also possible to use the article name as search criteria.

Declarations of performance:

Not applicable

Declaration of performance number:

Other information:

References

Reference

Widman J "Stålet och miljön". Stålbyggnadsinstitutet-Jernkontoret, Stockholm (2001)

Carbon Footprint study for Lindab produkts perforrmed by WSP 2010

Annexes

Annex

https://itsolution.lindab.com/LindabWebProductsDoc/PDF/Documentation/ADS/Lindab/Building_product_Declarations/Attachment/Miljointyg_Oresundskraft.pdf

https://itsolution.lindab.com/lindabwebproductsdoc/assets/production/NzY2ZDMyYjUtNmMzYi00MjcxLTk3ODQtNmUwMjNmYTU4MTU0/5249909199129804425/SDS%20Sikacryl%20Vent%20188%20VDI%20EN%207.0.pdf

https://itsolution.lindab.com/lindabwebproductsdoc/assets/production/M2Q1MDE3MmItYjVlMS00NGYwLTk1YjMtNzY3ZTEzZWE0MGYx/5249913554094983741/NEPD-4099-3121_PAROC-Stone-Wool-Thermal-Insulation--Hvac-Slabs---Mats---OEM-Slabs-.pdf

https://www.lindab.se/globalassets/commerce/lindabwebproductsdoc/assets/production/owi4ndfintmtywu0zs00yzdhlwe1mzgtndc2mmniywe1ngnj/5249844559068654098/certificationdiplomaall20230320174532779-002.pdf?v=1687078352

3. CHEMICAL CONTENT

Chemical content

Does the declaration apply to a product or chemical product?

product

Enter chemical content for the whole article. The concentration is calculated at component level according to the principle of “once an article always an article”.

Is there a safety data sheet for the article?

Not applicable

Is there classification of the article?

Not applicable

If yes, indicate the classification of the product under Regulation (EC) No

Enter which version of the candidate list has been used (Year, month, day)

2023-05-01

The article is covered by the RoHS Directive:

No

Enter the weight of the article:

11.498 kg

Enter how large a proportion of the material content has been declared [%]:

100

If 100% material content is not declared, please state the reason

If the article contains nanomaterials deliberately added to obtain a particular function, enter these here:

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The product does not contain deliberately added nanomaterial.

Has the presence of nanomaterials deliberately added to notifiable chemical products been reported to the Product Register

No

Enter the proportion of volatile organic substances [g/litre], applies only to sealants, paints, varnishes and adhesives:

Article and/or sub-components

Phase Delivery

Component End gables **Weight% of product** =13.611

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Steel		=100		
Steel	Galvanized steel	=100	EN 10346:2009	

Component Gasket **Weight% of product** =1.348

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
EPDM rubber		=100		
EPDM rubber	EPDM	=80	25034-71-3	
EPDM rubber	Paraffin oil	=20	8012-95-1	

Component Insulation **Weight% of product** =26.178

Comment PAROC Stone wool.

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Stone wool	Binder (phenol-formaldehyde-urea-copolymer)	0<x<6	PAROC Stone wool.	
		Comment: PAROC Stone wool.		
Stone wool	Mineral oil	0.1<x<0.5	PAROC Stone wool.	
		Comment: PAROC Stone wool.		
Stone wool	Mineral wool	96<x<99	PAROC Stone wool.	
		Comment: PAROC Stone wool.		

Component Outer cover **Weight% of product** =39.398

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Steel		=100		
Steel	Galvanized steel	=100	EN 10346:2009	

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Component	Plastic fabrix	Weight% of product	=0.374

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Polyester		=100		
Polyester	Polyester	=100	25038-59-9	

Component	Screw	Weight% of product	=0.043

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Screw 35 13 RXB		=100		
		Comment: RXS-FZB 3,5x13.		
Screw 35 13 RXB	Steel	=100	SAE 1022	

Component	Sealant	Weight% of product	0<x<0.279

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Sikacryl-Vent 188 VDI		=100		
		Comment: See attached SDS Sikacryl-Vent 188 VDI.		

Component	Steel band	Weight% of product	=0.391

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Steel		=100		
Steel	Steel	=100	AZ SS-EN 10215	

Component	Steel perforated	Weight% of product	=18.655

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Other substance properties
Steel		=100		
Steel	Galvanized steel	=100	EN 10346:2009	

Other information:

Calculation based on SLCU 250-900-50.

4. RAW MATERIALS

Is there supporting documentation for the raw materials for third-party certified system for control of origin, raw material extraction, manufacturing or recycling processes or similar (for example BES 6001:2008, EMS certificate, USGBC Program)? If yes, enter system(s):

No.

Raw materials

Component	Material	Transport type
	Steel	Ship

Country of raw material extraction

Sweden

City of raw material extraction

-

Country of manufacture/production

City of manufacture/production

Comment

The steel raw material is produced at different smelting plants, mainly in the EU, according to the detailed specification of the current standard. The sheet dimensions are then adjusted at the production unit in Grevie.

Total recycled material in the article

☑ Is recycled material included in the article?

Material

Steel

Share of waste (from own production)

0

Share of waste (from other people's production)

0

Recycled material (treated)

100

Recycled material

0

Weight/percent by weight

20 %

Comment

About 20% recycled material are being used in the production of steel.

Renewable material

Enter proportion of renewable material in the article

0

☐ Included biobased raw material is tested according to ASTM test method D6866:

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Origin of raw material

For this product, there has been no withdrawal of virgin fossil material

No

If yes, please indicate what percentage of the material in question (or item?)

Wood raw materials

☐ Wood raw materials are included

☐ Included wood raw material is certified

How large a proportion is certified [%]?

What certification system has been used (for example FSC, CSA, SFI with CoC, PEFC)?

Reference number:

Enter logging country for the wood raw material and that following criteria have been met. Country of logging:

☐ Does not contain type of wood or origin in CITES appendix of endangered species

Which version of CITES has been used for the check?

☐ The timber has been logged legally and there is certification for this

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5. ENVIRONMENTAL IMPACT

Environmental impact during life cycle of the article, production phase module A1-A3 under EN

☐ Has environmental product declaration been drawn up according to EN 15804 or ISO 14025 for the article?

These product-specific rules, known as PCR, have been applied:

Registration number / ID number for EPD:

If there is environmental product declaration or other life cycle assessment, describe how the environmental impact of the article is taken into account from a life cycle perspective:

The information refer to "gate to gate", inflows (raw materials, inputs, energy, etc.) for the registered product into the manufacturing unit, and outflows (emissions and waste) from it and relates to unit of product 1 kg.

Country of final manufacture: Sweden.
Energy used in the manufacture of the product: electricity 0,16 kWh per produced kilo. From 2017, all units in Sweden only uses electricity from renewable sources. See attached file.

Transport: <99% truck, deliveries to the customer/branch, <1% electric forklift.
Climate impact from internal tranports: CO2 0,0025 kg, CH4 <0,0001 kg and N20 <0,0001 kg.

Emissions to air, water or soil from the manufacture of the product, climate impact from operations: carbon dioxide equivalents (CO2-e) ≈ 2,15 kg per kilo product (includes energy/waste/scrap/travels)
The production itself causes no emissions to air, water or land.

Residual products from the manufacture of the product: <5% steel scrap, 100% is recycled, waste code 17 04 05. <1% insulation scrap, 100% is recycled according to Paroc REWOOL. All waste is taken care of by a carrier with the necessary permits. No waste is exported.

For information about raw materials, distribution, waste etc., see the other sections.

6. DISTRIBUTION

Distribution of finished article

Does the supplier apply any system with multiple-use packaging for the article?

No

Does the supplier take back packaging for the article?

No

Is the supplier affiliated to a system for product responsibility for packaging?

Yes

If yes, which packaging and which system?

Förpacknings & Tidningsinsamlingen.

Can packaging/packaging be reused?

Yes

Can packaging/packaging be recycled?

Yes

Can packaging/packaging be energy recycled?

Yes

Does the supplier use Retursystem Byggpall?

Yes

Other information:

If possible products are packed together. The packaging materials include wood, cardboard, and plastic wrap. Wooden pallets are being reused.
All packaging consists of recyclable material, the cardboard Lindab uses for packaging consist of 97,5% recycled material.
Shipments of manufactured goods are mainly transported by truck to the customer/branch. The average transporting distance is <500 km.

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7. CONSTRUCTION PHASE

Construction phase

Does the article make special requirements in storage?

Yes

Specify

To prevent soiling and oxidation, the product should be stored protected from the weather.
See Lindab's product catalogue for more information.

Does the article make special requirements for surrounding building products?

No

Specify

Other information:

The product is normally delivered in standard sizes and standard lengths.
There is a special instruction regarding fire resistance for assembly, measurement and adjustment for this product.

8. USE PHASE

Use phase

Does the article make requirements for input materials for operation and maintenance?

No

Specify:

Does the article require supply of energy during operation?

No

Specify:

Estimated technical service life for the article:

>50 years

Comment:

Lifetime depends on the environment where the product is being used. Corrosive environments can affect the life of the product negatively.
There is a special instruction for the care of this product, see Lindab´s product catalogue for more information.

Is there energy labelling under the Energy Labelling Directive (2010/30/EU) for the article?

Not applicable

If yes, enter labelling (G to A, A+, A++, A+++):

If yes, enter marking (G to A)

Other information:

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9. DEMOLITION

Demolition

Is the article prepared for disassembly (dismantling)?

Yes

Can the product be separated into pure material types for recycling?

Yes

Specify:

Steel and insolation can be separated into pure material.

Does the article require special measures for protection of health and environment in demolition/disassembly?

No

Specify:

Other information:

10. WASTE MANAGEMENT

Delivered article

Is the supplied article covered by the Ordinance (2014:1075) on producer responsibility for electrical and electronic products when it becomes waste?

No

Is reuse possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

The entire product can be reused.

Is material recovery possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

99% of the material can be recycled.
Insulation is recycled by PAROC REWOOL.

Is energy recovery possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

Heat recovery occurs at smelter.

Does the supplier have restrictions and recommendation for re-use, material or energy recovery or landfilling?

Yes

Specify:

Should be recycled according to recommended waste code.
The insulation should be recycled using PAROC REWOOL.

Waste code for the delivered article when it becomes waste
170203 - 03 Plast.
170405 - 05 Järn och stål.

170407 - 07 Blandade metaller.

170604 - 04 Andra isolermaterial än de som anges i 17 06 01 och 17 06 03.

When the supplied article becomes waste, is it classified as hazardous waste?

No

Mounted article

Is the mounted article classified as hazardous waste?

No

Other information

11. INDOOR ENVIRONMENT

Indoor environment

- [ ] The article is not intended for indoor use
- [x] The article does not emit any substances
- [ ] Emissions from the article not measured

Does the article have a critical moisture state?

No

If yes, state what:

Noise

Can the article give rise to own noise?

No

Value:

Unit:

Measuring method:

Electrical field

Can the article give rise to electrical fields?

No

Value:

Unit:

Measuring method:

Magnetic fields

Can the article give rise to magnetic fields?

No

Value:

Unit:

Measuring method:

Paints and varnishes

- [ ] The article is resistant to fungi and algae in use in wet areas

Emissions

The article produces the following emissions in intended use:

Other information

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