

Building product declaration 2015

according to BPD associations' standardised format eBVD2015

Smoke control damper 4 (SDR2-M)

1. BASIC DATA

Document data

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1

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Changes relates to:

Smoke control damper 4 (SDR2-M)

Article name:

Smoke control damper 4 (SDR2-M)

Article No/ID concept

Article identity: GTIN

7319662178747

Product group/Product group classification

Product group system	Product group id
BK04	21099
BSAB96	QJC.2

Article description:

RectaRectangular smoke control damper for smoke and heat evacuation systems for multi compartment. The blade and the body are made of calcium silicate board and the chemical design is class 4. This damper is equipped with an actuator, either 24V or 230V and can be used as an automatic (AA) or manual activation (MA) damper. It is CE marked and certified according to EN12101-8, tested according to EN1366-10 and classified according to EN13501-4. The damper is suitable for vertical and horizontal installation in multi compartment smoke duct evacuation systems according to EN1366-8 with smoke leakage class S at 1000Pa negative pressure.

Assessments at Byggvarubedömningen etc. are registered under the name "Rökkontrollspjäll 4 (SDR1-M)". It is also possible to use the article name as search criteria.

Declarations of performance:

Yes

Declaration of performance number:

1391-CPR-2021/0044

Other information:

Lindab Sverige AB

Company name:

Lindab Sverige AB

Organisation number:

556247-2273

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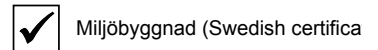
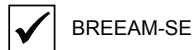
Website:

www.lindab.se

GLN:

DUNS:

Environmental certification system



References

Reference

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

Annexes

Annex

https://itsolution.lindab.com/lindabwebproductsdoc/pdf/documentation/ADS/lindab/RoHS/Lindab_RoHS_Ventilation_Products.pdf

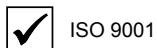
http://www.lindab.com/global/documents/ventilation/constancy_of_performance_sdr2-m.pdf

http://www.lindab.com/global/documents/ventilation/declaration_of_performance_sdr2-m.pdf

<https://itsolution.lindab.com/LindabWebProductsDoc/PDF/Documentation/ADS/Lindab/Technical/Technical-SDR2-M.pdf?v=5249348669887411500>

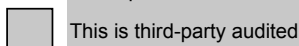
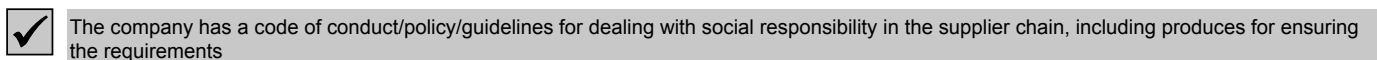
2. SUSTAINABILITY WORK

Company's certification

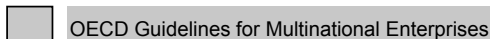
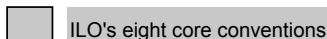
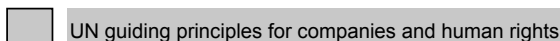


Other:

Policies and guidelines



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



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?

- Mapping
- Risk analysis
- Action plan
- Monitoring

Sustainability reporting guidelines:

GRI - Global Reporting Initiative

3. DECLARATION OF CONTENTS

Chemical content

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?

Yes

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

2021-10-05

For complex products, the concentration of included substances has been calculated at:

whole construction product

The article is covered by the RoHS Directive:

No

Enter the weight of the article:

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

100

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

The product does not contain deliberately added nanomaterial

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

Is the article registered in Basta?

No

Other information:

Article and/or sub-components

Phase	Delivery				
Component	Actuator Belimo BEN 230	Weight% of product	=1.05		
Comment	See Building Product declaration, BVB ID: 120915				
Component	Axis of blade	Weight% of product	=0.35		
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Steel	Steel	=100	S235JRG1	<input type="checkbox"/>	<input type="checkbox"/>
Component	Blade of damper	Weight% of product	=25.51		
Comment					

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Calcium Silikate	Promatect-H	=100	See attachment	<input type="checkbox"/>	<input type="checkbox"/>

Component Body of damper **Weight% of product** =58.83

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Calcium Silicate	Promatect-H MST	=100	See Safety Data Sheet	<input type="checkbox"/>	<input type="checkbox"/>

Component Bolt, washer and nuts **Weight% of product** =0.23

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Steel	Steel 8.8	=100	1.7033	<input type="checkbox"/>	<input type="checkbox"/>

Component Cover of actuator **Weight% of product** =7.5

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Calcium Silicate	Promatect-MST	=100	See attachment	<input type="checkbox"/>	<input type="checkbox"/>

Component Holder of blade, bracket of actuator, cover sheet metal, sheet metal corner **Weight% of product** =6.02

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Steel	Galvanized steel	=100	DX51D+Z275	<input type="checkbox"/>	<input type="checkbox"/>

Component Insulating seals **Weight% of product** =0.002

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
High-temperature wool based on aluminium silicate	Alsiflex-1260	=100	S�kerhetsdatablad	<input type="checkbox"/>	<input type="checkbox"/>

Component Insulating tape **Weight% of product** =0.13

Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Fiberglass	Promoglaf	=100	65997-17-3	<input type="checkbox"/>	<input type="checkbox"/>

Component	Plain bearing	Weight% of product	=0.01
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Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Bronze	Cu	=58.6	7440-50-8	<input type="checkbox"/>	<input type="checkbox"/>
Bronze	Pb	=1.9	7439-92-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bronze	Zink	=39.5	7440-66-6	<input type="checkbox"/>	<input type="checkbox"/>

CAS	H-phrase	Exposure
7439-92-1	H362 - Lact.	
7440-66-6	H410 - Aquatic Chronic 1	

Component	Silicon seal	Weight% of product	=0.21
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Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Silicone rubber	Sillen B2B	=100	63394-02-5	<input type="checkbox"/>	<input type="checkbox"/>

4. RAW MATERIALS

Raw materials

Total recycled material in the article

Is recycled material included in the article?

Material		
Brass		
Proportion after the consumer stage	Proportion before the consumer stage	Weight/percent by weight
50	50	80 %
Comment		
About 80% recycled material are being used in the production of brass.		
<hr/>		
Material		
Steel		
Proportion after the consumer stage	Proportion before the consumer stage	Weight/percent by weight
100	0	20 %
Comment		
About 20% recycled material are being used in the production of steel.		

Renewable material

Enter proportion of renewable material in the article (short cycle, less than 10 years):

0

Enter proportion of renewable material in the article (long cycle, more than 10 years):

0

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

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

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

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

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:

Climate impact (GWP100) [kg CO₂-eq]:

Ozone depletion (ODP) [kg CFC 11-eq]:

Acidification (AP) [kg SO₂-eq]:

Ground-level ozone (POCP) [kg ethene-eq]:

Eutrophication (EP) [kg (PO₄)-3-eq]:

Renewable energy [MJ]:

Non-renewable energy [MJ]:

If calculation has been made in Green Guide, enter which rating:

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:

6. DISTRIBUTION

Distribution of finished article

Does the supplier use Retursystem Byggpall?

Yes

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

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.

7. CONSTRUCTION PHASE

Construction phase

Does the article make special requirements in storage?

Yes

Specify

Handle with care. The product shall be stored in temperate premises without being exposed to excessive moisture or frost.

Does the article make special requirements for surrounding building products?

Not applicable

Specify

Other information:

8. USE PHASE

Use phase

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

Yes

Specify:

See attached Technical Manual

Does the article require supply of energy during operation?

Yes

Specify:

See attached Technical Manuals

Estimated technical service life for the article:

15-25 years

Comment:

Lifetime depends on the environment where the product is being used. Corrosive environments can affect the life of the product negatively. See Lindab's product catalogue for more information.

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

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

Not applicable

Other information:

9. DEMOLITION

Demolition

Is the article prepared for disassembly (dismantling)?

Yes

Specify:

Yes, some parts can be separated.

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:

Parts of the product can be reused.

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

Yes

Specify:

~5% of the material can be recycled

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.

Waste code for the delivered article when it becomes waste

170405 - 05 Järn och stål.

170407 - 07 Blandade metaller.

200136 - 36 Annan kasserad elektrisk och elektronisk utrustning än den som anges i 20 01 21, 20 01 23 och 20 01 35.

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
- The article does not produce any emissions
- Emissions from the article not measured

Does the article have a critical moisture state?

No

If yes, state what:

Noise

Electrical field

Magnetic fields

Can the article give rise to own noise?

Can the article give rise to electrical fields?

Can the article give rise to magnetic fields?

No

No

No

Value:

Value:

Value:

Unit:

Unit:

Unit:

Measuring method:

Measuring method:

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