1. BASIC DATA

Document data

<table>
<thead>
<tr>
<th>Id:</th>
<th>A-7300009-00795-0-206</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version:</td>
<td>1</td>
</tr>
<tr>
<td>Created:</td>
<td>2017-11-06 09:02:51</td>
</tr>
<tr>
<td>Last saved:</td>
<td>2017-11-09 12:14:37</td>
</tr>
</tbody>
</table>

Changes relates to:

Lindab panel (PIR)

Article name:
Lindab panel (PIR)

Article No/ID concept

Article identity: GTIN
SIP-D, SIP-W

Product group/Product group classification

<table>
<thead>
<tr>
<th>Product group system</th>
<th>Product group id</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK04</td>
<td>01699</td>
</tr>
<tr>
<td>BK04</td>
<td>10005</td>
</tr>
<tr>
<td>BSAB96</td>
<td>GS</td>
</tr>
<tr>
<td>BSAB96</td>
<td>ML</td>
</tr>
</tbody>
</table>

Article description:
Sandwich panel with PIR (polyurethane). The products are available in other materials. BPD is received upon request. Assessment at Byggvarubedömningen etc. is registered under the name "Lindab panel, PIR". It is also possible to use the article name as search criteria.

Declarations of performance:
Not applicable

Declaration of performance number:

Other information:

Lindab Sverige AB

Company name: Lindab Sverige AB
Organisation number: 556247-2273

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Environmental certification system

- BREEAM
- BREEAM-SE
- LEED 2009
- LEED version 4
- Miljöbyggnad (Swedish certification system)

Reference


Carbon Footprint study for Lindab produkts performed by WSP 2010

2. SUSTAINABILITY WORK

Company’s certification

- ISO 9001
- ISO 14001

Other:

Policies and guidelines

- The company has a code of conduct/policy/guidelines for dealing with social responsibility in the supplier chain, including produces 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

- UN guiding principles for companies and human rights
- ILO’s eight core conventions
- OECD Guidelines for Multinational Enterprises
- 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?

Address:
Järnvägsgatan 41

E-mail:
matilda.isaksson@lindab.com

VAT number:
SE5624727301

Contact person:
Matilda Isaksson

Telephone:
+46 72 353 44 61

Website:
www.lindab.se
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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

Enter which version of the candidate list has been used (Year, month, day): For complex products, the concentration of included substances has been calculated at:

The article is covered by the RoHS Directive: No

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

Is the article registered in Basta? Yes

Other information:

Article and/or sub-components

<table>
<thead>
<tr>
<th>Phase</th>
<th>Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component</td>
<td>Galvanized steel</td>
</tr>
</tbody>
</table>

Comment

<table>
<thead>
<tr>
<th>Material</th>
<th>Substance</th>
<th>Concentration interval (%)</th>
<th>EG/CAS/Alternative designation</th>
<th>Candidate list</th>
<th>Phasing-out substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Steel</td>
<td>~81.8</td>
<td>EN 10346:2015</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Component Organic coating Weight% of product

Comment
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<table>
<thead>
<tr>
<th>Material</th>
<th>Substance</th>
<th>Concentration interval (%)</th>
<th>EG/CAS/Alternative designation</th>
<th>Candidate list</th>
<th>Phasing-out substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>Polyester</td>
<td>&lt;2</td>
<td>67892-73-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Component**
PPI

**Weight% of product**

<table>
<thead>
<tr>
<th>Comment</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
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<th>Concentration interval (%)</th>
<th>EG/CAS/Alternative designation</th>
<th>Candidate list</th>
<th>Phasing-out substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIR</td>
<td>MDI</td>
<td>=7.9</td>
<td>9016-87-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIR</td>
<td>Others</td>
<td>=0.3</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIR</td>
<td>Pentane</td>
<td>=0.6</td>
<td>109-66-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIR</td>
<td>Polyol</td>
<td>=5.1</td>
<td>32472-85-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIR</td>
<td>TCCP</td>
<td>=2.3</td>
<td>13674-84-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**4. RAW MATERIALS**

**Raw materials**

**Total recycled material in the article**

![Checkmark]

Is recycled material included in the article?

**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):

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

- 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 15804

- 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:

- Double skin metal faced sandwich panels, 07-2013
- Climate impact (GWP100) [kg CO2-eq]: 74,2
- Acidification (AP) [kg SO2-eq]: 0,145
- Eutrophication (EP) [kg (PO4)-3-eq]: 0,0202
- Non-renewable energy [MJ]: 1110,3

Registration number / ID number for EPD:

- EPD-EPQ-20130170-CBG1-EN
- Ozone depletion (ODP) [kg CFC 11-eq]: 5,95E-05
- Ground-level ozone (POCP) [kg ethene-eq]: 0,0233
- Renewable energy [MJ]: 59,7

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:

Country of final manufacture: EU.
For more information, see EPD under attachments.
6. DISTRIBUTION

**Distribution of finished article**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the supplier use Retursystem Byggpal?</td>
<td>Yes</td>
</tr>
<tr>
<td>Does the supplier take back packaging for the article?</td>
<td>No</td>
</tr>
<tr>
<td>Is the supplier affiliated to a system for product responsibility for packaging?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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.

7. CONSTRUCTION PHASE

**Construction phase**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the article make special requirements in storage?</td>
<td>No</td>
</tr>
<tr>
<td>Does the article make special requirements for surrounding building products?</td>
<td>No</td>
</tr>
</tbody>
</table>

Other information:
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:
40-45 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?
Not applicable
If yes, enter labelling (G to A, A+, A++, A+++):

Other information:

9. DEMOLITION

Demolition

Is the article prepared for disassembly (dismantling)?
Yes
Specify:
The PIR can be separated from the metal.

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 use of standard dimensions makes it easier to reuse the products.

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

Specify:
≤99 % of the product 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.

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

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

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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

<table>
<thead>
<tr>
<th>Can the article give rise to noise?</th>
<th>Can the article give rise to electrical fields?</th>
<th>Can the article give rise to magnetic fields?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Value:  
Unit:  
Measuring method:  

Electrical field

<table>
<thead>
<tr>
<th>Can the article give rise to electrical fields?</th>
<th>Can the article give rise to magnetic fields?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Value:  
Unit:  
Measuring method:  

Magnetic fields

<table>
<thead>
<tr>
<th>Can the article give rise to magnetic fields?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

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