

|                           |                                                                                                                                                                                                                                                                                                         |                         |                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|
| <b>Name of company</b>    | Lindab Profil AB                                                                                                                                                                                                                                                                                        | <b>E-mail</b>           | profil@lindab.se            |
| <b>Address</b>            | SE-269 82 Båstad, Sweden                                                                                                                                                                                                                                                                                | <b>Registration no.</b> | 556071 - 4320               |
| <b>Phone</b>              | +46 431 850 00                                                                                                                                                                                                                                                                                          | <b>Contact</b>          | Quality & Environment Dept. |
| <b>Fax</b>                | +46 431 851 50                                                                                                                                                                                                                                                                                          | <b>Internet</b>         | www.lindab.com              |
| <b>Environmental work</b> | <p>The company subject to the Swedish Environmental Act and fulfils the current conditions.</p> <p>Listed in REPA-Registret AB.</p> <p>Fulfils the stipulations for internal controls in accordance with AFS 1996:6.</p> <p>Certified management systems in accordance with ISO 9001 and ISO 14001.</p> |                         |                             |

## LindabRainline

### Statement of contents

Continuously organic coated (coilcoated) steel flat products in accordance with SS-EN 10169.

### 1 Component materials

#### Raw materials<sup>1</sup>

Continuously hot-dip zinc coated mild sheet metal in accordance with SS-EN 10327.

The amount of zinc or aluminium/zinc depends on the size of the sheet metal and is defined as weight/m<sup>2</sup>.

The sheet metal is coated with:  
*primer*; polyester.  
*top coat*; polyester.  
 37 µm total coating.

#### Additives

Vegetable-based emulsion lubricant.

The above additive is a small quantity only (<5% of the total raw materials) and varies depending on the product and size.

#### Recycled material<sup>1,2</sup>

On average, the sheet metal consists of 20% recycled scrap metal.

#### Origin of raw material

The coilcoated sheet metal is mainly purchased from steel mills within the EU.

### 2 Production

#### Energy

Electrical energy is used in the processing of the product. The premises are heated with natural gas. Bottled gas is used for internal transport.

#### Emissions to water

None

#### Emissions to air

None except for very small quantities of solvents from the emulsion lubricant in connection with manufacturing.

### 3 Distribution of finished products

#### Production site

Förlöv, Municipality of Båstad, Sweden.

#### Means of transport

The products are primarily distributed to customers by truck.

#### Packaging

The following types of materials are used in packaging:

| Packaging            | Materials included | Recyclable | Reuseable |
|----------------------|--------------------|------------|-----------|
| Crates               | Wood               | x          | x         |
| Crates               | Steel              | x          | x         |
| Shrinkfilm           | PE                 | x          | -         |
| Corrugated cardboard | Paper              | x          | -         |
| Bands                | Steel              | x          | -         |

### 4 During construction

No environmental impact. Made-to-measure lengths and standardized sizes eliminate scrap at the construction site.

### 5 During use

No environmental impact.  
 Proper washing and maintenance painting prevents rust. Some buildings with this system installed for >30 years still meet today's norms.

### 6 Demolition

The system is easy to take apart. Thanks to standardized sizes and low weight, the products are easy to identify, trim and reuse.

### 7 Waste

Steel is separated magnetically and recycled as scrap metal. Scrap steel has a high market value and collection systems are well established. The product is melted down and 95-98% is recovered.

### 8 Indoor environment

The high degree of prefabrication of the products means a good, clean working environment with little heavy lifting. Contact with the product is not harmful during normal handling. Avoid inhalation of grinding dust when the product is ground.  
 If the product is heated through welding or by fire, zinc oxide evaporates. It is therefore important to avoid inhalation of the smoke.  
 The product does not absorb moisture and thus does not give rise to mold.

### References

<sup>1</sup> SSAB (Aug 1998) *Environmental Declaration for Painted Sheet Metal*.

<sup>2</sup> Borg (1997) *Life-Cycle Inventory of Cold-Rolled, Hot-Galvanized Steel Plate*, SBI, Report 187:9