



## Environmental product declaration

Professor  
20090513

### The Product

This environmental product declaration refers to Lindab's Professor supply air beam. This product is manufactured at NovoClima Produktion AB in Götene, Sweden.

### Manufacturing

Professor is based on a battery of fins. This battery consists of a series of aluminium fins on a copper pipe. The fins are in metallic contact with the copper pipe by way of the pipe being expanded. At the ends, copper connections are soldered in place, selected for the correct pressure drop and flow (15 or 22 mm). Bent sheets of steel are then joined with the battery for the best possible function and aesthetics. The product is powder coated in the colour requested. Finally, the product is packaged and delivered to the customer by truck.

**Materials** included in a 1.8-metre Professor, 440 wide, suspended.

|                |                              |                 |         | % by wt  |        |
|----------------|------------------------------|-----------------|---------|----------|--------|
| Aluminium:     | Battery                      |                 | 2.89 Kg | 2.89 Kg  | 14.2 % |
|                | Pop rivets                   |                 | < 10 g  |          |        |
| Copper:Battery |                              |                 | 2.93 Kg | 2.93 Kg  | 14.4 % |
| Steel:         | End plates and control plate | SS 1312 paint   | 3.54 Kg | 14.20 Kg | 69.6 % |
|                | Duct                         | SS 1312 paint   | 5.65 Kg |          |        |
|                | Screws                       |                 | < 10 g  |          |        |
|                | Suspension system            | SS 1312-00      | 0.51 Kg |          |        |
|                | Under plate                  | SS 1312-00      | 4.48 Kg |          |        |
| Solder:        | Spelter solder (Sn97Ag3)     |                 | < 15 g  |          |        |
|                | Hard solder (Cu90Ag10)       |                 | < 15 g  |          |        |
| Paint:         | Powder coating               | Epoxy-polyester | 0.43 Kg | 0.43 Kg  | 2.1 %  |
| Packaging:     | Box                          | Paper           |         |          |        |
|                | Pallet                       | Wood            |         |          |        |

**Total: 20.4 Kg**

### Use

Professor is used for spaces which require cooling, where air is supplied through the beam. During operation, the product does not produce any demonstrable chemical emissions. Professor is maintenance free, apart from normal cleaning. The product has a technical life of at least 25 years.

### Recycling

Lindab has a well-functioning recycling system. The company accepts its own products in return when they are no longer useful, because nearly all the materials can be recycled. Please contact Lindab for instructions with regard to return transport and packaging.