



Environmental product declaration

Plafond
20090513

The Product

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

Manufacturing

Plafond 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 Plafond.

				% by wt	
Aluminium:	Battery		2.89 Kg		
	Pop rivets		< 10 g	2.89 Kg	14.2 %
Copper:	Battery		2.93 Kg	2.93 Kg	14.4 %
Steel:	End plates	SS 1312-lack	0.82 Kg		
	Duct and casing	SS 1312-lack	8.41 Kg		
	Screws		< 10 g		
	Suspension system	SS 1312-00	0.51 Kg		
	Under plate	SS 1312-00	4.48 Kg	14.22 Kg	69.6 %
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: 20.5 Kg

Use

Plafond 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. Plafond 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.