



Environmental product declaration

Capella
20090513

The Product

This environmental product declaration refers to Lindab's Capella chilled beam. This product is manufactured at Lindab's factory in Farum, Denmark.

Manufacturing

Capella is based on TeknoTerm's strips. The strips consist of two aluminium bands, rolled together, with a copper pipe in between. The rolling procedure ensures that the aluminium is metallurgically joined to the copper pipe. The strips are then folded into rectangular elements where all the surfaces are active. At the ends, copper connections are then soldered in place, selected for the correct pressure drop and flow (10, 12, 15 or 22 mm).

To conceal the copper pipes, aluminium end plates are fitted.

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 4-metre Capella 350.

					% by wt
Aluminium:	Strips	GA 5050-02	7.35 Kg		
	End plates	SS 4054-02	0.32 Kg		
	Cross brackets	SS 4104-06	0.12 Kg		
	Pop rivets		< 10 g	7.8 Kg	61.4 %
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Copper: Strips		SS 5015-02	3.05 Kg		
	Connection pipe	SS 5015-02	0.48 Kg	3.53 Kg	27.8 %
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Steel:	Screws		< 10 g		
	Suspension system:				
	Angle bracket	SS 1312-00	0.78 Kg		
	Scissors	SS 1312-fzn	0.31 Kg	1.09 Kg	8.6 %
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Solder:	Spelter solder (Sn97Ag3)	EN 29453	< 20 g		
	Hard solder (Cu90Ag10)		< 20 g		
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Paint:	Powder coating	Epoxy-polyester	0.29 Kg	0.29 Kg	2.3 %
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Packaging:	Cling wrap				
	Cellular plastic	Polyethylene			
	Pallet	Wood			
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Total:			12.7 Kg		

Use

Capella is used for spaces which require cooling. During operation, the product does not produce any demonstrable chemical emissions. Capella 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.