



## SWEDISH TYPE APPROVAL 1138 WITH DECISION ON PRODUCTION CONTROL

### Holder: Lindab Ventilation AB

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### Kitchen Flexible Ventilation Duct

#### Product description

Reinforced flexible uninsulated ventilation duct in polyester mesh with flame retardant PVC. Encapsulated in the PVC is a bronze coated spiral wire.  
Approved dimensions: 63 – 400 mm, in lengths 1200 – 6000 mm

#### Intended use

To be used as a connector between the cooker hood and the exhaust fan, in housing and in catering kitchens and ventilation duct in housing or within fire cells, with no flammable business

#### Scope

Flexible Ventilation Duct KFH

#### Approval

The products meet the requirements of Chapter 8, Section 4, of the “Planning and Building Act” (PBA) regarding the technical characteristics of construction works, 2. Safety in case of fire as well as 3. Protection with regard to hygiene, health and environment, depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of “Boverket's Building Regulations” (BBR):

Construction products with assessed properties	1:4
Class designations: E*	5:231
Kitchen flues	5:5332
Tightness class C**	6:255

\*According to EN 13501, ISO EN 11925-2

\*\* Max. overpressure 5000 Pa, EN 13180:2001

#### Marking


Marking must be affixed on the product or, if there are special reasons, on the packaging or the delivery note. Marking shall indicate the following information:

Holder:  
Product name, and relevant article number:  
Production site:  
Traceability to the production:  
Information about requirements or class, if relevant:

Lindab Ventilation AB  
Flexible Ventilation Duct KFH  
Concerned production site  
(e.g. yyyy-mm-dd or batchnumber)  
Fire Class E (EN 13501-1, EN ISO 11925-2)  
Tightness Class C, +5000 Pa (EN13180:2001)

The registered trademark of Boverket No 241 217:

Certification Body:  
Accreditation number:  
Type Approval No:  
Inspection Body:

Kiwa Certification AB   
1913  
1138  
RISE

CERTIFIKAT

**Kiwa Certification AB**  
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Accred. no. 1913  
Certification of  
Products  
ISO/IEC 17065

**Production site(s):**

Code 12094

**Control**

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body.

Inspection Body: **RISE**

Inspection agreement: **RISE 201-07-0174**

Factory production control shall be carried out in accordance with the current instructions for control.

During inspection at the construction site, the building proprietor must verify the identity of the product by means of the marking. Furthermore, the building proprietor must ensure that the correct products are delivered and that they are installed in accordance with the manufacturer's instructions in the accompanying documents. It must also be verified that the product is accompanied by a manufacturer's declaration that certifies that production has been carried out in accordance with the documents that formed the basis for this type approval.

The validity of the Swedish Type Approval also implies that the factory production control is carried out according to the current agreement and that the holder annually fulfils the requirement in "Boverket's regulations and general recommendations for type approval", BFS 2013:6, § 5 (TYP 7), on continuing internal control. The holder shall annually, at the latest on the 15th of December, report to Kiwa Certification AB at the e-mail address [se.annualreporting@kiwa.com](mailto:se.annualreporting@kiwa.com) about continuing surveillance.

**Associated documents**

Directory page of un-insulated flexible duct KFH dated 2020-10-19

Mounting Instruction Linda Flexible Ducts dated 2021-03-31

**The assessment basis for the approval**

Fire Test Report 7P08718 and Classification Report 7P08718-1, issued by RISE

Evaluation Report 0654, issued by Chimney Lab Europe.

Assessment Report 380/2022, dated 10 November 2022 by Kiwa Certification AB.

**Comments:**

Mounting according to BBR 5:526:

An example of Fire Technical implementation for various system parts that does not have to be class A2-s1, d0, and where acceptable requirements are materials class E.

Ducts in family houses or channels in shafts and assembly rooms, if those are designed, so that fire cannot spread to or from channels or assembly rooms, during the time, that is equivalent to the fire resistance of the fire cell boundaries in the actual building. Channels situated inside fire compartments, where no fire hazardous business takes place.

Mounting according to BBR 5:5332:

Connections to flues from kitchens in housing must be made of non-combustible material (A2-s1, d0) or material, that limits the risk of spreading of fire inside channels of adjacent buildings or permanent furnishing (Class E). Protective distance to combustible materials should be at least 30 mm. Channels and connectors can be placed against combustible material in case of materials going through, e.g. shelves or cabinet sides. Even the top and other minor parts of the outer cover, of kitchen flues can be placed against combustible material.

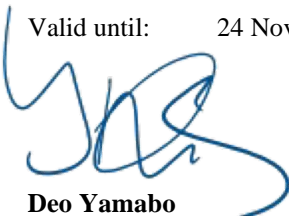
The Type approval is valid provided that the product shall neither be CE marked according to the Construction Product Regulation (EU) No 305/2011 (CPR), nor has it been suspended or withdrawn by Kiwa Certification AB.

Date of decision: 25 November 2022

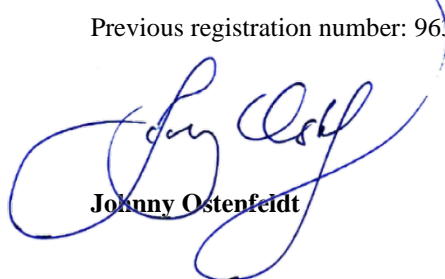
Registration number: 380/2022

Valid until: 24 November 2027

Previous registration number: 963/2017



**Deo Yamabo**



**Johnny Ostenfeldt**