

Rectangular air duct system

Holder/Issued to

Crenna Plåt AB

Kvartsgatan 19, 749 49 Enköping, Sweden

Information supplied by

Lindab Sverige AB, Dolkvägen 16, 262 74 Ängelholm, Sweden

Product description

Rectangular ventilation ducts and duct work elements, manufactured from metallized sheet steel as below:

Galvanized sheet steel with designation DX51D + Z275 according to SS-EN 10346.

Aluminium-zink galvanized sheet steel with designation DX51D + AZ185AC according to SS-EN 10346.

Coating Z275 meets corrosion class C3 and coating AZ185 meets corrosion class C4 according to AMA VVS & Kyla 22 and SS-EN ISO 12944-2.

Connection: Joining with rubber gasket and guide list.

Dimensions: The type approval includes ducts with dimensions from 200 × 200 mm up to maximum 2000 × 2000 mm with wall thickness ≥ 0,7 mm.

Reinforcement: The ducts shall be reinforced on the outside, when the largest side is ≥ 600 mm.

Support for ducts: Maximum spacing between supports shall be 2000 mm and the maximum distance between support and joint is 580 mm.

Intended use

Ventilation ducts for distribution of air with air tightness class D and pressure class 2 according to SS-EN 1507:2006.

Trade name

Crenna
Lindab

Approval

The products satisfy the requirements set forth in chapter 8, 4 § 2 and 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR), issued by the National Board of Housing, Building and Planning.

HVAC systems, general*	5:526
Materials	6:11
Microorganisms	6:24
Ventilation	6:25
Installations	6:254
Tightness**	6:255

* Material in ducts class A2-s1,d0. Gaskets has no requirements (class F).

** Ducts and duct components fulfill airtightness class D and pressure class 2 according to SS-EN 1507 and AMA VVS & Kyla 22, figure AMA Q/1.

Type Approval 1585/96 | 2022-11-04

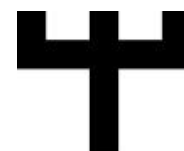
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Associated documents

Assembly instruction Crenna Plåt, dated 201202

Assembly instruction Lindab Sverige AB, latest date 2021-05-05

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: CR042 dated 2015-06-12, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

Manufacturing places

Production control includes the following places:

Crenna Plåt AB, Kvartersgatan 19, 749 40 Enköping, Sweden

Crenna Plåt AB, Elementvägen 4, 437 36 Lindome, Sweden


Crenna Plåt AB, Grustagsvägen 2, 138 40 Älta, Sweden

Lindab Ventilation AB, Fraktgatan 2, 936 31 Boliden, Sweden

Lindab Ventilation AB, Stålhögavägen 115, 269 92 Båstad, Sweden

Marking

The products are to be marked at the factory. The marking consists of a label on every product supplied and includes:

Holder	Crenna Plåt AB
Manufacturing place	Crenna Plåt AB or Lindab Ventilation AB
Product type designation	Crenna alt. Lindab
Consecutive order number	order no.
Type approval number	1585/96
Boverket's registered trade mark	
RISE Accreditation number	1002
Certification body and Inspection body	RISE

Basis for approval

Test reports O1110310_01, P109423-21A, O1110310_02, O100177-179276A and P107341-21A and inspection reports AO-0006981, P109423-21B, O1110310-02B, O100177-179276B and P107341-21C from RISE.

Comments

The products are tested together according to SS-EN 1507 with the headline "Ventilation for buildings – Sheet metal air ducts with rectangular section – Requirements for strength and leakage". The ducts fulfill tightness class D and pressure class 2 (1000 Pa over pressure and 750 Pa under pressure).

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2018-08-21.

Validity

Valid through 2027-11-03.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

A handwritten signature in blue ink, appearing to read 'Stefan Coric', is written over a light blue horizontal line.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.