

Biltema's circular ventilation duct system

Holder/Issued to

Biltema Nordic Services AB

Garnisonsgatan 26, 2tr., SE-254 66 Helsingborg, Sweden

Product description

Ventilation circular spiral ducts and duct components. Duct and duct components made of galvanized sheet steel as below:

Hot-dip galvanized steel plate with the designation DX51D + Z275 according to EN 10346:2015. Surface coating Z275 meets corrosion class C3 according to AMA VVS & Kyla 22 and EN ISO 12944-2:2017. Duct components are provided with sealings of EPDM-rubber.

Dimensions: The Swedish technical approval includes dimensions \varnothing 80-315 mm according to dimensional standard EN 1506:2007. Thickness of steel sheet 0,45 - 0,50 mm.

Support of ducts: Maximum distance between two supports shall be 3000 mm for uninsulated ducts and 2000 mm for insulated ducts respectively, maximum distance between support and joint is 500 mm.

Air tightness class D according to EN 12237:2003.

Intended use

Ventilation ducts for distribution of air, with demand for air tightness class D according to EN 12237:2003, in buildings.

Trade name

Biltema's circular ventilation duct system

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.

| | |
|--------------------------------------|-------|
| Air treatment installation, general* | 5:526 |
| Materials | 6:11 |
| Microorganisms | 6:24 |
| Ventilation | 6:25 |
| Installations | 6:254 |
| Tightness** | 6:255 |

* Materials class A2-s1,d0. Sealings has no requirement (class F).

** Ducts and duct components fulfill tightness class D according to EN 12237:2003 and VVS AMA & Kyla 22, figure AMA Q/1.

Associated documents

Installation instruction for ventilation duct system 100 & 125 mm, dated 2022-09-19

Installation instruction for ventilation duct system 80, 160, 200, 250 & 315 mm, dated 2022-09-19

Control

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

Control plan: Ref no. 210-09-0056 dated 2022-12-21, 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:

Biltema Nordic Services AB, Garnisonsgatan 26, 254 66 Helsingborg, Sweden and manufacturing plant 59002

Marking

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

| | |
|--|---|
| Holder/Distributor | Biltema |
| Factory code | 59002 |
| Art. number | e.g. 83-120 |
| Date of production | Date |
| Type approval number | C900734 |
| Tightness class | D |
| Dimension \varnothing mm | e.g. 125 mm mm |
| Boverket's registered trade mark |  |
| RISE Accreditation number | 1002 |
| Certification body and Inspection body | RISE |

Basis for approval

Test report P112392B and inspection report P112392A from RISE.

Comments

The products are tested according to EN 12237:2003 with the headline: "Ventilation for buildings – Ductwork – Strength and leakage of circular sheet metal ducts". The ducts fulfill tightness class D (2000 Pa overpressure and – 750 Pa negative pressure). Coating Z275 meets corrosion class C3 according to AMA VVS & Kyla 22.

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

Validity

Valid through 2027-09-25.

Validity of this type approval can be verified on our website.

The validity of this type approval expires when the type approved products 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'.

Stefan Coric

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