

Isolamin Ventilation Duct 33CL50, 33CL80 & 33CL100

Holder/Issued to

Isolamin Sweden AB

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Product description

Rectangular ventilation duct made of sandwich panels. The sandwich panels are made of galvanized steel sheets with thickness 0,7 mm on both sides of rock wool insulation with thickness 48 mm, 78 mm and 98 mm respectively, nominal density 170 kg/m³. The maximum size of the panels is 2200×1180 mm without reinforcement member for 33CL50 and 3000×1180 mm without reinforcement member for 33CL80 and 33CL100. The steel sheets are available with PVC or polyester coated surfaces. Fire- resistance class EI 30 (33CL50) and EI 60 (33CL80 and 33CL100) respectively.

Intended use

Fire separating ventilation duct for distribution of air, in tightness class D.

Trade name

Isolamin ventilation duct 33CL50, 33CL80 and 33CL100

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 certificate, 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.

Fire-resistance class EI 30/EI 60*	5:231
Air treatment installations	5:526
Material	6:11
Emissions	6:21
Tightness**	6:255

* EI 30 is valid for Isolamin ventilation duct 33CL50 and EI 60 is valid for Isolamin ventilation duct 33CL80 and 33CL100.

** The ventilation ducts comply with tightness class D as in VVS AMA 2016.

Associated documents

33CL50, drawing Ventilation duct no. 38G-0004, dated 2005-02-02
33CL80, drawing Ventilation duct no. 38G-0005, dated 2005-02-02
33CL100, drawing Ventilation duct no. 38G-0006, dated 2018-12-13
"Conections" drawing no. 48X-0011 and 48X-0013, dated 05-02-17

Type approval SC0739-16 | 2018-12-18

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2018-01-30



8P09770



Control

The factory production control (FPC) is monitored by an independent inspection body.
Control agreement: Ref no. 210-16-0342, Inspection body: RISE Research Institutes of Sweden AB

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 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 approval is based.

Manufacturing place

Production control includes the following place:
Isolamin Sweden AB, Överkalix

Marking

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

Holder
Manufacturing place
Product type designation

Consecutive manufacture no./date of production
Type approval number
Fire-resistance class
Thightness class*
Boverket's registered trade mark
RISE Accreditation number
Certification body and Inspection body

Isolamin Sweden AB
Överkalix
Ventilation duct 33CL50, 33CL80 or
33CL100
no./date
SC0739-16
EI 30/EI 60
C/D
†
1002
RISE

* See under the headline Approval and Comments.

Basis for judgement/approval

Reports ETv P303033 (D), P303033-1 and ETv P404481 from SP Technical Research Institute of Sweden, reports PC10044 och PG11424 from Dansk Brand- og sikringsteknisk Institut.

Comments

33CL50 complies with the tightness requirements in SS-EN 1507 (issued May 2006) Air tightness class D, Pressure class 2.

33CL80 and 33CL100 complies with the tightness requirements in SS-EN 1507 (issued May 2006) Air tightness class D, Pressure class 3.

The rock-wool in the panels is to be CE-marked and approved as material A1 or A2-s1,d0.

This approval supersedes the previous approval with the same number dated 2016-09-28, with project number 6P06674.

Validity

Valid through 2021-09-28.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Johan Åkesson

Annika Hermodsson

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.