

Ventilation silencer SORDO-A

Holder/Issued to

Swegon Operations AB

Fallebergsvägen 17, SE-671 34 Arvika, Sweden

Product description

SORDO-A, circular ventilation silencer of galvanized sheet steel with internal insulation from mineral wool. Circular connection 100-400 mm, length 500, 800 or 1100 mm, fire resistance class E 120. The product may be used where fire resistance class EI 30 – EI 120 is required, if distances to evacuation routes and distances to combustible material comply with requirements as specified in associated documents.

Intended use

Ventilation silencer with circular connections for ventilation ducts in sheet steel.

Trade name

SORDO-A

Approval

The product satisfies the requirements set forth in chapter 8, 4 § 2, 3 and 6 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.

Fire resistance class E 120	5:231
Fire technical alternatives ¹⁾	5:112 (BFS 2011:27, section 4.1.3)
Air handling installations	5:526
Material	6:11
Microorganisms ²⁾	6:24
Air tightness ³⁾	6:255
Heating, cooling and air handling installations	9:51

1) The products may be used where fire resistance class EI 30 – EI 120 is required, if distances to evacuation routes and distances to combustible material comply with requirements as specified in associated documents.

2) The product must not be installed in ducts that carry air which contains greasy or sticky compounds.

3) The duct system including the ventilation silencer is tested in accordance with EN 12237. The system satisfies tightness class D.

Associated documents

Data sheet SORDO-A, Sound attenuator for circular ducts, dated 2024-01-16

Installation-Maintenance SORDO-A, -B, -C, -P, -PF, dated 2024-01-16

Control

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

Control plan: Dated 2020-06-18, 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 place

Production control includes the following place:

Swegon Operations AB, Fallebergsvägen 17, 671 34 Arvika, Sweden

Marking

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

Holder	Swegon Operations AB
Manufacturing place	Arvika
Product type designation	SORDO-A
Consecutive manufacture no.	batch number
Type approval number	SC0480-18
Boverket's registered trade mark	
RISE Accreditation number	1002
Inspection body	RISE

Basis for approval

Reports no. EUFI29-19003013-T2, EUFI29-1045-T1 and EUFI29-20001045-T2 from Eurofins Expert Services Oy. Reports no. 8P03995, 8P03995-1, 8P03995-2, 8P06713A and 8P09166 from RISE Research Institutes of Sweden.

Drawings according to "Ritningsförteckning SORDO", dated 2024-10-28.

Comments

If the product is projected under the condition of a safety distance, the installer shall attach a warning label clearly visible on the installed product. Warning labels can be ordered from the holder of the certificate.

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 2020-06-18.

Validity

Valid through 2026-12-31.

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".

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.