

# SWEDISH TECHNICAL APPROVAL

**0103/07**

and decision on production control in accordance with chapter 8, 22 and 23 §§ Planning and Building Act (2010:900), PBL

## ALNOR ROUND SPIRAL DUCT WORK SYSTEM

- Holder** Alnor-Systemy Wentylacji sp.z.o.o, 00-719 WARSZAWA,  
Ul. Zwierzyniecka 8B POLAND, Tel: +48 22 737 40 00, Fax: +48 22 737 40 04,  
Homepage: [www.alnor.com.pl](http://www.alnor.com.pl), Org.nr: PL5211068747
- Product** Alnor round spiral ducts and duct work elements manufactured from galvanized sheet steel with sealings by EPDM-rubber.  
Steel quality, dimensions and density classes as follows:  
Galvanized sheet steel with the designation DX51D + Z275 according to EN 10346.  
Coating Z275 meets corrosion class C3 according to ISO 9223 and EN 12944-2 and AMA VVS & Kyl 2009.  
Size range: Ø 80 - Ø 1600 mm.
- Specification of ducts and duct work elements plate thicknesses for each size in the Steel sheet under item associated document.  
Supports for ductwork  
Ducts shall be provided with support with max 500 mm from each joint and the maximum distance between supports shall be 2000 mm. See installation guide and sketch.
- Intended use** Distribution of air with demand for air tightness class D according to EN 12237:2003.
- Trade name** ALNOR round spiral duct work 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 certificate, and are therefore approved in accordance with the provisions of the following sections of the Building Regulations issued by the National Board of Housing, Building and Planning (*BBR*):
- |                        |       |
|------------------------|-------|
| Air treatment, general | 5:526 |
| Material               | 6:11  |
| Microorganisms         | 6:24  |
| Air tightness*         | 6:255 |
- \*The duct work system satisfy tightness class D according to EN 12237:2003

Associated documents Assembly instructions dated 2012, Steel sheet dated 2012, Montageinstruction drawings dated 2012-06-11.

Control Production control is to be performed in accordance with instructions for control dated 2007-06-07. An independent inspection body audits the control.  
Control agreement: Ref no. 210-07-0129.  
Inspection body: SP Technical Research Institute of Sweden.

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this certificate is based.

Manufacturer Production control includes the following site:  
Alnor-Systemy Wentylacji Sp.zo.o., 05-552 Wola Mrokowska Al Krakowska 10 Poland.

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

Approval holder under the numeric code	77
Boverket's registered trademark	✚
Certification body and accreditation number	SP SITAC 1002
Approval number	0103/07
Air tightness Class	D
Dimensions Ø	mm
Current code year week	No.
Inspection body	SP

Basis for approval Report No. P702170 from SP Technical Research Institute of Sweden. Report no. P701270-12A och P701270-12B from supervisory production inspection performed by SP.

Comments The products meet all the requirements of strength and air tightness according to SS-EN 12237:2003 with the headline "Ventilation for buildings – Ductwork – Strength and leakage of circular sheet metal ducts".  
The ducts meets the tightness class D (at +2000 Pa positive pressure and -750 Pa negative pressure).

This approval supersedes the previous certificate with the same number dated 2007-10-02 and with project number T700103.

Period of  
validity

This approval is valid until 2018-01-20.

The formal validity of an approval expires after the transitional period for the harmonised specification that makes it possible to CE-mark the product. However, the technical assessment showing that the product fulfils the requirements in the building regulations, issued by the Swedish National Board of Housing, Building and Planning, is not affected.

  
Marcus Tillman  
Ronald Green

WÄRÖR