Alnor Systemy Wentylacji Sp. z o.o.
Aleja Krakowska 10, 05-552 Wola Mrokowska
tel.: + 48 22 737 40 00, fax.: + 48 22 737 40 04
e-mail: alnor@alnor.com.pl, www.alnor.com.pl

NATIONAL DECLARATION OF PERFORMANCE

No. 051/01/25

1. Name and trade name of the construction product:

   Ventilation pipes SPIRAL®system with a circular cross-section made of stainless steel 1.4301/304 or 1.4404/316L, with nominal diameter: 80, 100, 125, 140, 150, 160, 180, 200, 224, 250, 280, 300, 315, 355, 400, 450, 500mm.

2. Designation of construction product type:

   Ventilation pipes SPIRAL®system with a circular cross-section made of stainless steel: SPR-ZM.

3. Intended use(s):

   Intended to be used for air distribution in ventilation and air conditioning installations inside buildings, including residential, collective residence and public utility buildings.

4. Manufacturer's name and registered office address and place of production:

   Alnor Systemy Wentylacji Sp. z o.o.
   00-719 Warsaw ul. Zwierzyniecka 8b, POLAND
   Tel.: + 48 22 737 40 00, Fax.: + 48 22 737 40 04
   Production place:
   05-522 Wola Mrokowska, Aleja Krakowska 10, POLAND

5. Authorized representative's name and registered office address, if any:

   Not applicable.

6. The national system used to assess and verify the constancy of performance:

   System 4.

7. National technical specification:

   7a. Polish product standard:
   PN-EN 10346 Continuously hot-dip coated steel flat products for cold forming. Technical delivery conditions.
   PN-EN 1506 Ventilation for buildings -- Straight ventilation ducts and fittings of circular sheet metal - Dimensions.
   PN-EN ISO 12944-2 Paints and varnishes -- Corrosion protection of steel structures by protective paint systems -- Part 2: Classification of environments.
   EN-ISO 12944-1 Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 1: General introduction.

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PN-EN 12237 Ventilation for buildings -- Ductwork -- Strength and tightness of circular sheet metal ducts.
Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number): **not applicable.**

7b. National technical assessment: **not applicable.**
Technical assessment unit/National technical assessment unit**: not applicable.**

8. Declared performance

Essential characteristics of the product for the intended use or uses	Declared performance	Comments
Reaction to fire	A1	According the European Commission 96/603/WE with change European Commission 2000/605/WE
Dimensions	Dimensions and tolerance compatible	According to PN-EN 1506
Material	DX-51D+ZM310	According to PN-EN 10346 PN-EN ISO 12944-2 PN-EN ISO 12944-1
Coating durability	Coating mass: 310 g/m^2 Coating thickness: 18-31µm Durability of anti-corrosion coating: C5/<15 years	
Walls thickness	≥0,4 mm	
Strenght	Not stated permanent deformation or unexpected change of tightness under perssure -750 + 2000 Pa according to PN-EN 12237:2005	According to PN-EN 12237
Tightness	To build ventilation duct system in a tightness class A, B, C, D according to PN-EN 12237:2005	

9. The performance of the product specified above is in accordance with all declared performance properties as listed in Section 8. This national declaration of performance is issued in accordance with the Act on construction products of 16 April 2004, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by ((name and surname, position))

Wola Mrokowska, 21.03.2025

(issue place and date)

Piotr Grzechowiak
Senior research and certification specialist
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(signature)