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. 001/01/2022

1. Name and trade name of the construction product:

   Ventilation pipes SPIRAL®system with a circular cross-section made of galvanized steel Z275/20 µm nominal diameter: 80, 100, 125, 140, 150, 160, 180, 200, 224, 250, 280, 300, 315, 355, 400, 450, 500, 560, 600, 630, 710, 800, 900, 1000, 1120, 1250, 1400, 1500, 1600 mm.

2. Designation of construction product type:

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

3. Intended use(s):

   Intended to be used for distribution air in ventilation and air conditioning installation 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:

   Assesment system: 3.

7. National technical specification:

   7a. Polish Product Standard: **not applicable.**
   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: **ITB-KOT-2019/1036 publication 2, 2021**
   Technical assessment unit/National technical assessment unit**:**
   Instytut Techniki Budowlanej ul. Filtrowa 1, 00-611 Warsaw

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8. Declared performance

Essential characteristics of the product for the intended use or uses	Declared utilization properties	Comments
Reaction to fire	A1	According the European Commission 96/603/WE with change European Commission 2000/605/WE
Dimensions	Dimensions and tolenace compatible	wg PN-EN 1506:2007
Walls thickness	Minimum wall thickness. 0,4 mm	wg ITB-KOT-2019/1036
strength	Not stated permanent deformation or unexpected change of tightness under perssure -750 + 2000Pa wg PN-EN 12237:2005	
Durability of zinc coating	Mass of zinc coating 275 g/m2 Nominal coat thickness 20µm Durability anticorrosive coat: C1/20years C2/20y C3/10y	wg PN-EN 10346:2015 oraz PN-EN 9223:2012
Tightness	To build ventilation pipes mains with tightness class: A, B, C, D wg 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, 03.01.2022

(issue place and date)

Piotr Grzechowiak
Senior research and certification specialist
…….

(signature)