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. 002/01/2022**

1. Name and trade name of the construction product:

   **Ventilation pipes SPIRAL®system with a circular cross-section made of galvanized steel Z140/10 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-C**

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:

   **Conformity assessment 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 issue 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 performance | Comments |
|---|---|---|
| Reaction to fire | A1 | According the European Commission 96/603/WE with change European Commission 2000/605/WE |
| Walls thickness | Dimensions and tolerance compatible | According to PN-EN 1506:2007 |
| Dimensions | Minimum wall thicknes. 0,4 mm | According to ITB-KOT-2019/1036 |
| Strenght | 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 140 g/m2<br>Nominal coat thickness 10µm<br>Durability anticorrosive coat:<br>C1/20years C2/20y | According to PN-EN 10346:2015<br>and 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
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(signature)