

NATIONAL DECLARATION OF PERFORMANCE

no. 035/03/24

1. Name and trade name of the construction product:

Flexible, thermally insulated duct with circular cross section ALS-D-L (Sonoduct AD-L), ALS-DL-L (Sonolight AD-L) nominal diameters: 80 - 800 mm and ALS-D-3 (Sonoduct AD-3), ALS-D-PE-L (Sonoduct PE AD-L), ALS-DL-PE-L (Sonolight PE AD-L) nominal diameters: 80 - 500 mm.

2. Designation of construction product type:

Products for air distribution: ventilation ducts (metal and nonmetal).

3. Intended use(s):

Intended to be used for joining a rigid sheet metal ducts with air valves or plenum boxes 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 Warszawa ul. Zwierzyniecka 8b, POLAND
Tel.: + 48 22 737 40 00, Fax.: + 48 22 737 40 04
Production place:
05-522 Wola Mrokwowska, 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: **PN-EN 13180:2004.**

Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number: **Instytut Techniki Budowlanej AB 023.**

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	ALSD-L	B _L -s2,d0	according PN-EN 13501- 1+A1:2010
	ALSD-PE-L	DN ≤ 300 mm, B _L -s2,d0, DN > 300 mm, D _L -s1,d0	
	ALSDL-L	B _L -s2,d0	
	ALSDL-PE-L	DN ≤ 300 mm, B _L -s2,d0, DN > 300 mm, D _L -s1,d0	
	ALSD-3	B _L -s2,d0	
Dimensions - diameter	Class B compliant		
Resistance to external pressure	< 3000 Pa		
Air tightness class	C		
Temperature range	ALSD-L, ALS-PE-L	-30 ... 120 °C	
	ALSDL-L, ALSDL-PE-L	-30 ... 150 °C	
	ALSD-3	-30 ... 250 °C	
Thermal conductivity	ALSD-L, ALS-PE-L	0,037 W/mK	

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)



Piotr Grzechowiak
 Testing and certification coordinator

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Wola Mrokowska, 27.03.2024

(issue place and date)

(signature)