



## NATIONAL DECLARATION OF PERFORMANCE

No. 27/2023



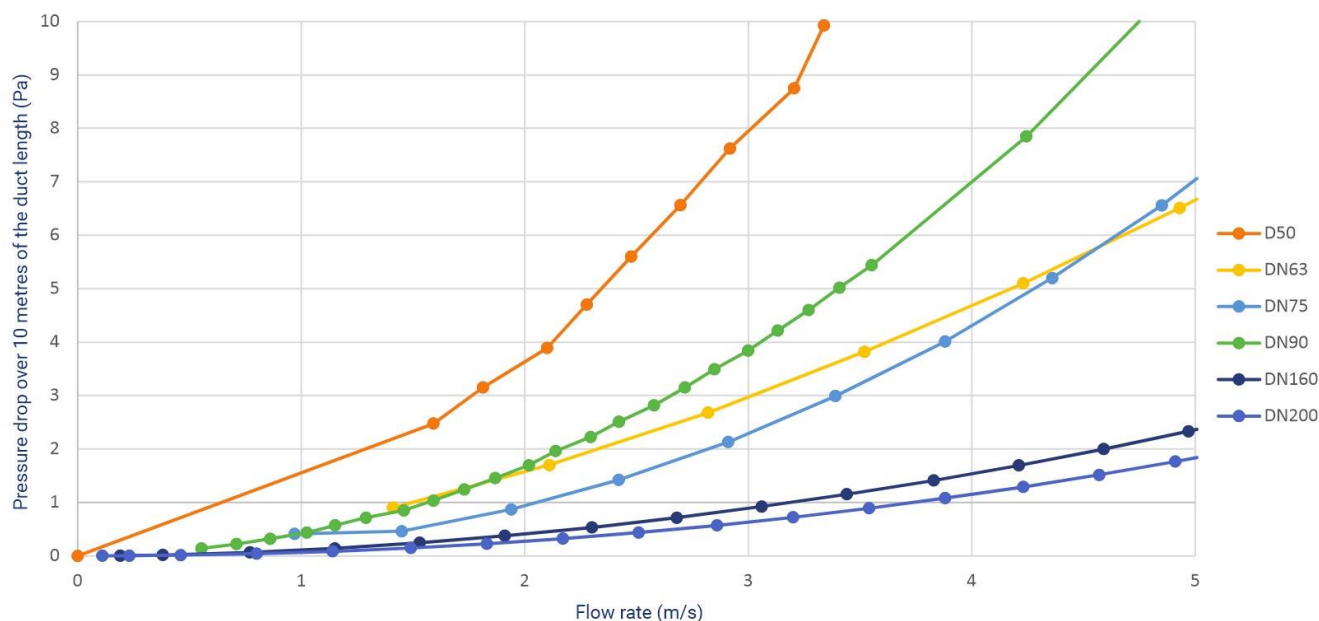
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1. Name and trade name of the construction product: **AirFlex Blue, BlackFlex, NaviFlex two-layer flexible air ducts without microbiological protection made of HDPE.**
2. Marking and type of the construction product: DN duct size: 50, 63, 75, 90, 110, 160, 200 mm
3. Intended use or uses: The ducts are used to transmit air in forced ventilation systems in residential and industrial buildings and for underground installation.  
Pipes with diameters of DN 160 and 200 should not be laid directly under driveways, roads, or buildings.
4. Manufacturer's name and address and product manufacture place: Ingremio Bracia Kotulscy Spółka Komandytowo-Akcyjna  
ul. Laskowska 93  
32-329 Bolesław, Poland
5. National system for the assessment and verification of the constancy of performance: System 3.
6. National technical specification: **EN 17192** "Ventilation for buildings - Ductwork - Non-metallic ductwork - Requirements and test methods"  
**EN 61386-24** "Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground."  
**EN 13501-1** „Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests.  
**EN ISO 846** "Plastics — Evaluation of the action of microorganisms"  
**ISO 22196** "Measurement of antibacterial activity on plastics and other non-porous surfaces"
7. Declared performance of the construction product:

Parameter:	Performance:	Remarks
Dimensions	Diameters: DN: from 50 to 200 mm including dimensional tolerances according to <b>EN 61386-24</b>  Minimum bending radius 3 x DN [mm] according to <b>EN 13180</b>	
Mechanical connection - class	MC0 Without a specially designed gasket / without a specially designed fastening	



Parameter:	Performance:	Remarks
Air tightness – class	ATC2	
Operating pressure range	-750 Pa - +2000 Pa	
Operating temperature	STL -15°C to STH +50°C	
Compression strength	500 N	
Thermal tolerance (thermal conductivity)	25.2 W/K/mb	
Microbiological resistance	No resistance	
Reaction to fire class	D-s2,d2	
Pressure drop	below	



8. The performance characteristics of the product referred to above are in accordance with those set out in point 7. This National Declaration of Performance has been issued pursuant to the Act of 16 April 2004 on Construction Products under the sole responsibility of the manufacturer.

Quality Department Manager  
Dariusz Siemieński, M.Sc. Eng.



03/10/2023 Bolesław

place and date of issue

full name and signature of the authorised person