NATIONAL DECLARATION OF PERFORMANCE

NR 005/05/2024

1. **Name and trade name of the construction product:**
   PEFLEX Standard Ø75 ventilation duct

2. **Type designation of construction product:**
   PEFLEX_STANDARD_Ø75

3. **Intended use or uses:**
   The products referred to in point. 1 are intended to be used in the construction industry as ventilation and air-conditioning components, to the extent resulting from the performance characteristics defined in point. 8 of this declaration.

4. **Name and address of the registered office of the manufacturer and place of manufacture of the product:**
   PE-FLEX sp. z o.o. sp. k., Gdów 1488, 32-420 Gdów
   Place of production: Graniczna 46, 32-765 Krzeczów.

5. **Name and address of authorised representative, if any:**
   Not applicable

6. **National system used for assessment and verification of constancy of performance:**
   System 3

7. **National technical specification:**
   7a. Polish product standard: PN-EN 17192:2019-01

   Name of accredited laboratory(s) and accreditation number:

   1. **Laboratory of Thermal Engineering, Tadeusz Kościuszko Cracow University of Technology, AB 1632;**
   2. **Sychta Laboratorium Sp. J. Laboratorium Badań Palności Materiałów, AB 1501**

   7b. National Technical Assessment: **Not applicable**

   Technical Assessment Body / National Technical Assessment Body: **Not applicable**

   Name of accredited certification body, accreditation number and certificate number: **Not applicable**

8. **Declared performance properties:**

Essential properties of the construction product for the intended use or uses	Declared performance properties	REMARKS
Tightness:	Class: ATC 2	§ 5 section. 1 point 2
Pressure drops:	As per table 1	§ 5 section. 1 point 2
Operating temperature:	STL -15 to STH 50	§ 5 section. 1 point 2
Reaction to fire:	Class: D-s2-d2	§ 5 section. 1 point 2
Resistance to external pressure:	500 N	§ 5 section. 1 point 2
Thermal resistance::	The thermal resistance related to a running metre of cable is: 0.0397 mbK/W, mb - running metre	§ 5 section. 1 point 2

Table 1. Unit pressure drop of straight section for different volumetric flows

Volume flow rate	Unit pressure drop	Air velocity	Length pressure drop coefficient Λ
m3/h	Pa/m	m/s	-
10	0,41	0,97	0,040
15	0,46	1,45	0,038
20	0,87	1,94	0,036
25	1,42	2,42	0,035
30	2,13	2,91	0,032
35	2,99	3.39	0,030
40	4,01	3,88	0,028
45	5,20	4,36	0,026
50	6,56	4,85	0,023
55	8,09	5,33	0,021
60	9,80	5,82	0,020
80	18,47	7,76	0,019
100	30,20	9,69	0,019
120	45,13	11,63	0,018
140	63,38	13,57	0,018
160	85,06	15,51	0,018

9. The performance properties of the product specified above are in compliance with all the declared performance properties listed in item 8. This National Declaration of Performance is issued in accordance with the Act of April 16, 2004, on Construction Products, under the sole responsibility of the manufacturer.

On behalf of the manufacturer signed:

Szymon Sierszulski - Board Member

(name and job title)

Gdów, May 10, 2024

(place and date of issue)

REQNET sp. z o.o.
Szymon Sierszulski
PREZES ZARZĄDU

(signature)