

# DECLARATION OF PERFORMANCE

Product name: INSUL-TUBE®

DoP Nr.: W4W5FEF100

**1. Unique identification code of the product-type:**

	unique identification code of the product-type:	W4W5FEF001(a)	W4W5FEF001(b)		
	Wall thickness :	Inner diameter:			
	6 – 25 mm	6-160 mm			
	32 – 60 mm		15-160 mm		

**2. Intended use or uses:**

Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)

**3. Manufacturer:**

NMC Polska Sp. z o.o., ul. Pyskowicka 15, 41-807 Zabrze, Polska

**5. System or systems of assessment and verification of constancy of performance:**

1 and 3

**6. - Harmonized standard:**

EN 14304:2009+A1:2013

**- Notified bodies:**

NB 1454, NB 0751, NB 1004, NB 1488

**7. Declared performance(s):**

	unique identification code of the product-type:	W4W5FEF001(a)	W4W5FEF001(b)		
Requirement / Characteristics from the mandate	Requirement clauses in the european Standard	Performances : levels or classes	Performances : levels or classes		
Reaction to fire Euroclass characteristics	4.2.4 Reaction to fire	B <sub>L</sub> -s3,d0	B <sub>L</sub> -s3,d0		
Acoustic absorption index	4.3.7 Structure-borne sound transmission	NPD	NPD		
	4.3.8 Sound absorption	NPD	NPD		
Thermal resistance	4.2.1 Thermal conductivity	0,031 at -30°C	0,031 at -30°C		
		0,034 at 0°C	0,035 at 0°C		
		0,038 at 40°C	0,040 at 40°C		
		0,041 at 70°C	0,043 at 70°C		
	4.2.2. Dimensions and tolerances	see table 1 point 4.2.2. of the standard	see table 1 point 4.2.2. of the standard		
Water permeability	4.3.4. Water absorption	WS01	WS01		
Water vapour permeability	4.3.5 Water vapour diffusion resistance	≥ 10 000	≥ 7000		
Compressive strength		a	a		



	unique identification code of the product-type:	W4W5FEF001(a)	W4W5FEF001(b)		
Requirement / Characteristics from the mandate	Requirement clauses in the european Standard	Performances : levels or classes	Performances : levels or classes		
Rate of release of corrosive substances	4.3.6. Trace quantities of water-soluble ions & pH-value	NPD	NPD		
Release of dangerous substances to the indoor environment	4.3.9. Release of dangerous substances	NPD	NPD		
Continuous glowing combustion	4.3.10 Continuous glowing combustion	b	b		
Durability of reaction to fire against ageing/degradation	4.2.5. Durability characteristics	c	c		
Durability of thermal resistance against ageing/degradation	4.2.1. Thermal conductivity	d	d		
	4.2.2. Dimensions and Tolerances	see table 1 point 4.2.2. of the standard	see table 1 point 4.2.2. of the standard		
	4.2.3. Dimensional stability	see 4.3.2	see 4.3.2		
	4.2.5. Durability characteristics	d	d		
	4.3.2. Maximum service temperature	ST (+) 110°C	ST (+) 110°C		
	4.3.3. Minimum service temperature	ST (-) 30°C	ST (-) 30°C		
Durability of reaction to fire against high temperature	4.2.5. Durability characteristics	c	c		
Durability of thermal resistance against high temperature	4.2.5. Durability characteristics	d	d		
	4.3.2. Maximum service temperature - dimensional stability	ST (+) 110°C	ST (+) 110°C		

**Note:**

NPD: No Performance Determined

a: Compressive strength is not applicable for FEF products

b: At the time of edition of this product standard, no CE test standard is available

c: The fire performance of elastomer foam does not change with time

d: The thermal conductivity of elastomer foam does not change with time

The performances of the product identified above is in conformity with the declared performance. In accordance with Regulation (EU) No 305/2011, this declaration of performance is issued under the sole responsibility of the manufacturer.

Digital version of the Declaration of Performance is available on the website [www.nmc-insulation.com/download](http://www.nmc-insulation.com/download).

Signed for and on behalf of the manufacturer by:

Monika Oparowska

Zabrze, dn. 18-11-2020