

# DECLARATION OF PERFORMANCE

Product name: **INSUL-TUBE® XT ( Onninen )**

DoP Nr.: W4FEF201

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

	unique identification code of the product-type:	W4FEF003(a)	W4FEF003(b)		
	Wall thickness :	Inner diameter:			
	6 mm	6-35 mm			
	9 mm	6-114 mm			
	13 mm	6-160 mm			
	19mm	10-160 mm			
	25mm	15-160 mm			
	32mm		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:	W4FEF003(a)	W4FEF003(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>1</sub> s3 d0	B <sub>1</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	≥ 10 000		
Compressive strength		a	a		

	unique identification code of the product-type:	W4FEF003(a)	W4FEF003(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 (+) 85°C	ST (+) 85°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 (+) 85°C	ST (+) 85°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:



Justyna DZIADZIA

Zabrze, 12-12-19

**NMC Polska sp. z o. o.**

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