nmc TECHNICAL INSULATION

DECLARATION OF PERFORMANCE

Product name: INSUL-TUBE® H PLUS

DoP Nr.: W4FEF400

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

	unique identification code of the product-type:	W4FEF004(a)	W4FEF004(b)	W4FEF004(c)	
	Wall thickness :	Inner diameter:	Inner diameter:		
	10-12 mm	15-60 mm			
	13-23,5 mm		28-35 mm		
	24-54 mm			15-89 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

4. **System or systems of assessment and verification of constancy of performance:**
1 and 3

5. **Harmonized standard:**
EN 14304:2009+A1:2013

Notified bodies:
NB 1454/ NB 1004 / NB 1488 / NB 0751

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

	unique identification code of the product-type:	W4FEF005(a)	W4FEF005(b)	W4FEF004(c)	
Requirement / Characteristics from the mandate	**Requirement clauses in the european Standard**	**Performances : levels or classes**	**Performances : levels or classes**	**Performances : levels or classes**	
Reaction to fire Euroclass characteristics	4.2.4 Reaction to fire	B_l s3 d0	B_l s3 d0	C_l s3 d0	
Acoustic absorption index	4.3.7 Structure-borne sound transmission	NPD	NPD	NPD	
	4.3.8 Sound absorption	NPD	NPD	NPD	
Thermal resistance	4.2.1 Thermal conductivity	0,035 at 0°C	0,035 at 0°C	0,037 at 0°C	
		0,037 at 40°C	0,038 at 40°C	0,040 at 40°C	
		0,044 at 70°C	0,044 at 70°C	0,046 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	see table 1 point 4.2.2. of the standard	
Water permeability	4.3.4. Water absorption	WS01	WS01	WS01	
Water vapour permeability	4.3.5 Water vapour diffusion resistance	NPD	NPD	NPD	
Compressive strength		a	a	a	

	unique identification code of the product-type:	W4FEF005(a)	W4FEF005(b)	W4FEF005(c)	
Requirement / Characteristics from the mandate	**Requirement clauses in the european Standard**	**Performances : levels or classes**	**Performances : levels or classes**	**Performances : levels or classes**	
Rate of release of corrosive substances	4.3.6. Trace quantities of water-solube ions & pH-value	NPD	NPD	NPD	
Release of dangerous substances to the indoor environment	4.3.9. Release of dangerous substances	NPD	NPD	NPD	
Continuous glowing combustion	4.3.10 Continuous glowing combustion	b	b	b	
Durability of reaction to fire against ageing/degradation	4.2.5. Durability characteristics	c	c	c	
Durability of thermal resistance against ageing/degradation	4.2.1. Thermal conductivity	d	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	see table 1 point 4.2.2. of the standard	
	4.2.3. Dimentional stability	see 4.3.2	see 4.3.2	see 4.3.2	
	4.2.5. Durability characteristics	d	d	d	
	4.3.2. Maximum service temperature	ST (+) 110°C	ST (+) 110°C	ST (+) 110°C	
	4.3.3. Minimum service temperature	ST (-) 0°C	ST (-) 0°C	ST (-) 0°C	
Durability of reaction to fire against high temperature	4.2.5. Durability characteristics	c	c	c	
Durability of thermal resistance against high temperature	4.2.5. Durability characteristics	d	d	d	
	4.3.2. Maximum service temperature - dimentional stability	ST (+) 110°C	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.
Signed for and on behalf of the manufacturer by:

Koordynator ds. certyfikacji i laboratorium

Monika Oparowska

Zabrze, dn. 29-01-2021

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