DECLARATION OF PERFORMANCE

Product name: **CLIMAFLEX® naturefoam**

DoP NR.: W1PEF100

1. Unique identification code of the product-type:

	Unique identification code of the product-type:	**W1PEF-001B**	**W1PEF-001C**	**W1PEF-001E**
	Thickness:	**Inner diameter:**	**Inner diameter:**	**Inner diameter:**
	5 mm	12-35 mm	-	-
	9 mm	15-114 mm	-	-
	13 mm	15-114 mm	-	-
	20 mm	-	15-60 mm	76-114 mm
	25 mm	-	15-48 mm	54-114 mm

2. Intended use or uses:
   Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)

3. Manufacturer:
   NMC sa, Gert-Noël-Straße, B-4731 Eynatten

5. System or systems of assessment and verification of constancy of performance:
   Systems 1 and 3

6a. Harmonized standard:
   EN 14313:2009+A1:2013

6b. Notified bodies:
   NB 0749 BCCA / NB 1004 IBP / NB 1173 WFR Gent N.V. / NB 0751 FIW
   Zertifikatsnr.: 0749-CPR-BC1-571-4133-0001-01

7. Declared performance(s):

	Unique identification code of the product-type:	W1PEF-001B	W1PEF-001C	W1PEF-001E
Requirement/Characteristics from the mandate	Requirement clauses in the european standard	Perfromances: levels of classes	Perfromances: levels of classes	Perfromances: levels of classes
Reaction to fire Euroclass characterisitcs	4.2.4 Reaction to fire	Bl s1 d0	Cl s1 d0	El
Acoustic absorption index	4.3.7 Structure-borne sound transmission	NPD	NPD	NPD
	4.3.8 Sound absoprtion	NPD	NPD	NPD
Thermal resistance	4.2.1 Thermal conductivity	0,036 at 0°C	0,036 at 0°C	0,036 at 0°C
		0,040 at 40°C	0,040 at 40°C	0,040 at 40°C
		0,043 at 60°C	0,043 at 60°C	0,043 at 60°C
		0,045 at 70°C	0,045 at 70°C	0,045 at 70°C
	4.2.2 Dimensions of tolerances	See table 1 & 2 point 4.2.2.2. of the standard	See table 1 & 2 point 4.2.2.2. of the standard	See table 1 & 2 point 4.2.2.2. of the standard
Water permeability	4.3.4 Water absorption	WS005	WS005	WS005
Water vapour permeability	4.3.4 Water absorption	WS005	WS005	WS005
	4.3.5 Water vapour diffusion resistance	NPD	NPD	NPD
Compressive strength		a	a	a
Rate of release of corrosive substances	4.3.6 Trace quantities of water solube ions & pH-value	Cl 15 - F10 – pH5,6	Cl 15 - F10 – pH5,6	Cl 15 - F10 – pH5,6
Release of dangerous substances to the indoor environment	4.3.9 Release of dangerous substances	b	b	b
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 & 2 point 4.2.2.2. of the standard	See table 1 & 2 point 4.2.2.2. of the standard	See table 1 & 2 point 4.2.2.2. of the standard
	4.2.3 Dimension 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 (+) 100°C	ST (+) 100°C	ST (+) 100°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 reaction to fire against high temperature	4.2.5 Durability characteristics	d	d	d
	4.3.2 Maximum service temperature – dimensional stability	ST (+) 100°C	ST (+) 100°C	ST (+) 100°C

Note:
NPD: No Performance Determined
a: Compressive strength is not applicable for PEF products
b: At the time of edition of this product standard, no CE test standard is available
c: The fire performance of polyethylene foam does not change with time
d: The thermal conductivity of polyethylene 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:

Y. BONNI
Quality Manager

Eynatten, 21/08/2023

Gert-Noël-Straße, B-4731 Eynatten