

TECHNICAL
INSULATION

DECLARATION OF PERFORMANCE

Product name : CLIMAFLEX® naturefoam

DoP Nr. : W1PEF100

Replace previous product brand CLIMAFLEX®

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

Certificate nr.: 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	Performances : levels or classes	Performances : levels or classes	Performances : levels or classes	
Reaction to fire Euroclass characteristics	4.2.4 Reaction to fire	BI s1 d0	CI s1 d0	EI	
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	0,036 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 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	
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 soluble ions & pH-value	CI 15 - F10 - pH5,6	CI 15 - F10 - pH5,6	CI 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. Dimensional 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 thermal resistance 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:

X. FISCHER
Quality Manager



Eynatten, 27-12-21

Gert-Noël-Straße, B - 4731 Eynatten