



# DECLARATION OF PERFORMANCE

Product name: CLIMATUBE® FLEX L

DoP Nr.: W2W4W5FEF605

1. Unique identification code of the product-type:

	unique identification code of the product-type:	W2W4W5FEF006a	W2W4W5FEF006b		
	thickness :	inner diameter:	inner diameter:		
	9-13 mm	6-160 mm	-		
	19 mm	10-160 mm	-		
	25 mm	15-160 mm	-		
	32 mm	-	15-160 mm		

2. Intended use or uses:  
Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)
3. Manufacturer:  
NMC France sas, Route d'Anor 97 – CS 10103, 59613 Fourmies Cedex, France
5. System or systems of assessment and verification of constancy of performance:  
Systems 1 and 3
- 6 a Harmonized standard:  
EN 14304:2009+A1:2013
- 6 b Notified bodies:  
NB 1454 / NB 1004 / NB 1488 / NB 0751
7. Declared performance(s):

	unique identification code of the product-type:	W2W4W5FEF006a	W2W4W5FEF006b		
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	Ci s3 d0	Ci 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	0,033 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	MU10000	MU7000		
Compressive strength		a	a		



	unique identification code of the product-type:	W2W4W5FEF006a	W2W4W5FEF006b		
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.

ADCA is a frequently used chemical blowing agent, which decomposes during heat induced foaming processes commonly used to produce certain foams. Residual ADCA levels in those foams are typically very low, but not nil. In our production processes we take special care to ensure residual ADCA levels as low as technically feasible. Our rubber foams, produced at NMC Polska Sp. Zo.o (Zabrze, Poland), show levels which exceed the 0.1 wt% threshold value. In alignment with REACH these grades have been notified and can be consulted in the SCIP database.

MCCP is commonly used as a plasticizer & flame retardant in rubber products. Although we are looking for alternatives, we confirm that all our current rubber foams, produced at NMC Polska Sp. Zo.o (Zabrze, Poland), show levels which exceed the 0.1 wt% threshold value. In alignment with REACH these grades have been notified and can be consulted in the SCIP database.

If you are using or intend to use one or more of these grades, you may address all your ADCA & MCCP related questions to your commercial contact.

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:

Joël Segenreich  
General Manager



Fourmies, 18-10-2022  
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