nmc TECHNICAL INSULATION

DECLARATION OF PERFORMANCE

Product name: CLIMAFLEX® ROLL

DoP Nr.: W18PEF800

1. Unique identification code of the product-type:

	unique identification code of the product-type:	**W18PEF-008**			
		Thickness :			
		5 mm – 27 mm			

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

3. Manufacturer:
NMC Termonova Oy, Torppanummentie 44, 10210 Inkoo, Finland

5. System or systems of assessment and verification of constancy of performance:
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6 a. Harmonized standard:
EN 14313:2009+A1:2013

6 b. Organismes notifiés:
NB 0751 FIW / NB 1004 IBP / NB 1173 WFR Gent N.V.

8. Declared performance(s):

	unique identification code of the product-type:	**W18PEF-008**			
Requirement / Characteristics from the mandate	**Requirement clauses in the european Standard**	**Performances : levels or classes**			
Reaction to fire Euroclass characteristics	4.2.4 Reaction to fire	E			
Acoustic absorption index	4.3.7 Structure-borne sound transmission	NPD			
	4.3.8 Sound absorption	NPD			
Thermal resistance	4.2.1 Thermal conductivity	0,039 at 0°C			
		0,045 at 40°C			
		0,051 at 90°C			
	4.2.2. Dimensions and tolerances	see table 1 & 2 point 4.2.2.2. of the standard			
Water permeability	4.3.4. Water absorption	WS010			
Water vapour permeability	4.3.4 Water absorption	WS010			
	4.3.5 Water vapour diffusion resistance	NPD			
Compressive strength		a			

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Requirement / Characteristics from the mandate	**Requirement clauses in the european Standard**	**Performances : levels or classes**			
Rate of release of corrosive substances	4.3.6. Trace quantities of water solube ions & pH-value	Cl 15 - F10 – pH7,5			
Release of dangerous substances to the indoor environment	4.3.9. Release of dangerous substances	b			
Continuous glowing combustion	4.3.10 Continuous glowing combustion	b			
Durability of reaction to fire against ageing/degradation	4.2.5. Durability characteristics	c			
Durability of thermal resistance against ageing/degradation	4.2.1. Thermal conductivity	d			
	4.2.2. Dimensions and Tolerances	see table 1 & 2 point 4.2.2.2. of the standard			
	4.2.3. Dimentional stability	see 4.3.2			
	4.2.5. Durability characteristics	d			
	4.3.2. Maximum service temperature	ST (+) 100°C			
	4.3.3. Minimum service temperature	ST (-) 0°C			
Durability of reaction to fire against high temperature	4.2.5. Durability characteristics	c			
Durability of thermal resistance against high temperature	4.2.5. Durability characteristics	d			
	4.3.2. Maximum service temperature - dimentional stability	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.
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 cross-linked polyethylene foams, produced at NMC Termonova Oy (Inkoo, Finland), 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.

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:

March 18, 2024

Henrita Holmqvist, NMC Termonova Oy