

DECLARATION OF PERFORMANCE

DoP No: W4PEF315 Climatube® protect

1. **Unique identification code of the product-type:**
W4-PEF-003
2. **Intended use or uses:**
Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)
3. **Manufacturer:**
Nmc Polska Sp. z o. o., 41-807 Zabrze, ul. Pyskowicka 15
4. **System or systems of assessment and verification of constancy of performance:**
3
5. **Harmonized standard :**
EN 14313:2009+A1:2013

Notified bodies:
NB 1004, NB 1486, NB 1454
6. **Declared performance(s):**

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	0,036 at 0°C																														
		0,040 at 40°C																														
		0,045 at 70°C																														
	4.2.2. Dimensions and tolerances	<table border="1"> <thead> <tr> <th colspan="2">Wall thickness [mm]:</th> <th colspan="2">Inner dimension [mm]:</th> <th>Lenght:</th> </tr> </thead> <tbody> <tr> <td>$d_D \leq 6$</td> <td>$\pm 1,0$</td> <td>$D_{i,D} \leq 35$</td> <td>+1 do +4</td> <td>-1,5% ; +2,5%</td> </tr> <tr> <td>$6 < d_D \leq 10$</td> <td>$\pm 1,5$</td> <td>$35 < D_{i,D} \leq 100$</td> <td>+2 do +6</td> <td></td> </tr> <tr> <td>$10 < d_D \leq 15$</td> <td>$\pm 2,0$</td> <td>$D_{i,D} > 100$</td> <td>+3 do +8</td> <td></td> </tr> <tr> <td>$15 < d_D \leq 30$</td> <td>$\pm 2,5$</td> <td></td> <td></td> <td></td> </tr> <tr> <td>$d_D > 30$</td> <td>$\pm 4,0$</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Wall thickness [mm]:		Inner dimension [mm]:		Lenght:	$d_D \leq 6$	$\pm 1,0$	$D_{i,D} \leq 35$	+1 do +4	-1,5% ; +2,5%	$6 < d_D \leq 10$	$\pm 1,5$	$35 < D_{i,D} \leq 100$	+2 do +6		$10 < d_D \leq 15$	$\pm 2,0$	$D_{i,D} > 100$	+3 do +8		$15 < d_D \leq 30$	$\pm 2,5$				$d_D > 30$	$\pm 4,0$			
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Water permeability	4.3.4. Water absorption	WS 005																														
Water vapour permeability	4.3.4 Water absorption	WS 005																														
	4.3.5 Water vapour diffusion resistance	NPD																														
Rate of release of corrosive substances	4.3.6. Trace quantities of water soluble ions & pH-value	NPD																														
Release of dangerous substances to the indoor environment	4.3.9. Release of dangerous substances	NPD																														



Requirement / Characteristics from the mandate	Requirement clauses in the European Standard	Performances : levels or classes
Continuous glowing combustion	4.3.10 Continuous glowing combustion	NPD
Durability of reaction to fire against ageing/degradation	4.2.5. Durability characteristics	The product meets the requirements for this property, the characteristics does not change with time.
Durability of thermal resistance against ageing/degradation	4.2.1. Thermal conductivity	The product meets the requirements for this property, the characteristics does not change with time.
	4.2.2. Dimensions and Tolerances	As above
	4.2.3. Dimensional stability	ST (+) 100°C
	4.2.5. Durability characteristics	The product meets the requirements for this property, the characteristics does not change with time.
	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	The product meets the requirements for this property, the characteristics does not change with time.
Durability of thermal resistance against high temperature	4.2.5. Durability characteristics	The product meets the requirements for this property, the characteristics does not change with time.
	4.3.2. Maximum service temperature - dimensional stability	ST (+) 100°C

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.

Signed for and on behalf of the manufacturer by:

Name and function

Certification and Lab Coordinator

Monika Oparowska

Zabrze, 13-03-2024