

DECLARATION OF PERFORMANCE

DoP No: W4FEF190 AEROFLEX® HF

1. **Unique identification code of the product-type:**
W4FEF-019
 2. **Intended use or uses:**
Thermal Insulation for Building Equipment and Industrial Installations (ThIBEI)
 3. **Manufacturer:**
Nmc Polska Sp. z o. o., 41-807 Zabrze, ul. Pyskowska 15
 4. **System or systems of assessment and verification of constancy of performance:**
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 5. **Harmonized standard :**
EN 14304:2009+A1:2013
- Notified bodies:**
NB 1454, NB 0751
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	DI-s2,d0																									
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 0,037 at 10°C 0,040 at 40°C																									
	4.2.2. Dimensions and tolerances	<table><tr><th colspan="2">Wall thickness [mm]:</th><th colspan="2">Inner dimension [mm]:</th><th>Length:</th></tr><tr><td>$d_0 \leq 8$</td><td>$\pm 1,0$</td><td>$D_i \leq 100$</td><td>+1 to +4</td><td>-1,5%</td></tr><tr><td>$8 < d_0 \leq 18$</td><td>$\pm 1,5$</td><td>$D_i > 100$</td><td>+1 to +6</td><td></td></tr><tr><td>$18 < d_0 \leq 31$</td><td>$\pm 2,5$</td><td></td><td></td><td></td></tr><tr><td>$d_0 > 31$</td><td>$\pm 3,0$</td><td></td><td></td><td></td></tr></table>	Wall thickness [mm]:		Inner dimension [mm]:		Length:	$d_0 \leq 8$	$\pm 1,0$	$D_i \leq 100$	+1 to +4	-1,5%	$8 < d_0 \leq 18$	$\pm 1,5$	$D_i > 100$	+1 to +6		$18 < d_0 \leq 31$	$\pm 2,5$				$d_0 > 31$	$\pm 3,0$			
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Water permeability	4.3.4. Water absorption	NPD																									
Water vapour permeability	4.3.4 Water absorption	NPD																									
	4.3.5 Water vapour diffusion resistance	≥ 3000																									
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 (+) 125°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 (+) 125°C
	4.3.3. Minimum service temperature	ST (-) 50°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 (+) 125°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.

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. z o.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 related questions to your commercial contact.

Signed for and on behalf of the manufacturer by:

Name and function

Deputy Certification and Lab Coordinator



Izabela Blesińska

Zabrze, 03-09-2025