

## Declaration of Performance No. 04-CPR-2013-07-01



- 1. Product-type:** AEROFLEX® FIRO
- 2. Type, date of manufacture:** See Label
- 3. Intended use:** Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products
- 4. Manufacturer and address:** AEROFLEX Europe GmbH  
Im Lehrer Feld 30  
89081 Ulm, Germany
- 5. Authorised representative:** Not relevant
- 6. System:** System 1 and 3
- 7. Notified Body:** Forschungsinstitut für Wärmeschutz e.V. München  
Lochhamer Schlag 4  
82166 Gräfelfing, Germany  
Notified Body 0751

### 8. Declared performance:

Essential characteristics		Performance								Harmonised technical specification
Reaction to fire	Form	Type		Nominal thickness		Class		EN 14304:2009		
		AEROFLEX FIRO		6 mm to 45 mm		B <sub>L</sub> -s3, d0				
	Tube	AEROFLEX FIRO SA		6 mm to 25 mm		B <sub>L</sub> -s3, d0				
		AEROFLEX FIRO SA		32 mm to 45 mm		E <sub>L</sub>				
		AEROFLEX FIRO SA COVER		9 mm to 45 mm		E <sub>L</sub>				
		AEROFLEX FIRO SAT		9 mm to 45 mm		E <sub>L</sub>				
		AEROFLEX FIRO		3 mm to 32 mm		B-s3, d0				
	Sheet, Roll	AEROFLEX FIRO SA		3 mm to 32 mm		B-s3, d0				
		AEROFLEX FIRO SA COVER		3 mm to 32 mm		E				
		AEROFLEX AEROTAPE FIRO		3 mm		B-s3, d0				
Thermal conductivity	θ °C	-30	-20	0	10	20	40	50	70	
	λ <sub>D</sub> W/(m·K)	0,031	0,032	0,034	0,035	0,036	0,038	0,039	0,41	
Maximum service temperature	Tube	ST(+)110 (= +110°C)								
	Sheet, Roll, Tape	ST(+)100 (= +100°C)								
Water absorption	WS01 (≤ 0,1 kg/m <sup>2</sup> )									
Water vapour diffusion resistance factor	MU10000 (μ ≥ 10 000)									

- 9.** The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Norbert Ebinger, Head of Development and Product Management  
(Name and function)

Ulm, 01.07.2013  
(Place and date of issue)

p.O.   
(Signatur)