



DECLARATION OF PERFORMANCE

No. DoP-htn-2023 (EN)

r.Heat® N



Unique identification code of the product type: **r.Heat® N – pipe sections out of mineral wool**

Batch number allowing identification of the product: **see product label**

Intended use/uses: **ThIBEII - Thermal insulation for building equipment and industrial installations**

Manufacturer: **ROHHE® Sp. z o.o., 05-555 Tarczyn, Al. Krakowska 19A, rohhe.pl**

System of Assessment and Verification of Constancy of Performance: **System 3**

Harmonized standard: **EN 14303:2009+A1:2013**

Notified testing laboratory: **1434 - Polskie Centrum Badań i Certyfikacji - PCBC S.A.,**

1454 - Sieć Badawcza Łukasiewicz-IMBiGS (AB 008), 1488 - Instytut Techniki Budowlanej (AB 023),

1023 - Institut Pro Testovani a Certifikaci (601/2021), 2904 - Fire-Lab (AB 1777),

0432 - Materialprüfungsamt Nordrhein-Westfalen (D-PL-11142-01-01)

Declared performance: **Table 1 and Table 2,** for Do<150mm **MW-EN 14303-T8-ST(+)**300**-WS1-CL10**
for Do≥150mm **MW-EN 14303-T9-ST(+)**300**-WS1-CL10**

Table 1 - Harmonized technical specification acc. EN 14303:2009+A1:2013

Essential characteristic	Performance	Declared class/level	Value
Reaction to fire	Reaction to fire class	A1L	Incombustible
Thermal resistance	Thermal conductivity	see Table 2	
Dimensions and tolerances	Thickness tolerance (Do<150 mm)	T8	-5% or -3mm/+5% or +3mm
	Thickness tolerance (Do≥150 mm)	T9	-6% or -5mm/+6% or +5mm
	Intern. diam. tolerance (Do<150 mm)	-	- 0 mm / + 4 mm
	Intern. diam. tolerance (Do≥150 mm)	-	- 0 / +2% ext. diam.
	Length tolerance	-	± 5 mm
	Constancy of thickness	-	difference < 6 mm lub 10 %
	Rectangularity	-	± 4mm or ± 2% ext. diam.
Service temperature	Maximum service temperature	ST(+)300	300 °C
Water vapour diffusion resistance	Short-term water absorption	WS1	≤ 1 kg/m ²
Water permeability	Diffusion resistance of water vapour	NPD	
Compressive strength	Compressive stress or compressive strength	NPD	
Value of dangerous substances released	Trace amounts of soluble joins and pH- value	CL10	≤ 10 ppm (10 mg/1 kg)
Release of dangerous substances to environment	Release of dangerous substances	NPD	
Sound absorption coefficient	Sound absorption	NPD	
Continuous glowing combustion	Continuous glowing combustion	NPD	
Durability of thermal resistance against ageing/degradation	Durability of thermal resistance	Not change with time	
Durability of thermal resistance against high temperature	Durability of thermal resistance	Not change with time	
Durability of reaction to fire against ageing/degradation	Durability of reaction to fire	Not change with time	
Durability of reaction to fire against high temperature	Durability of reaction to fire	Not change with time	

NPD – No Performance Determined

Table 2 - Declared thermal conductivity - λ_D

t _{avg.} [°C]	10	40	50	100	200	300
λ _D [W/m·K]	0,033	0,037	0,038	0,045	0,065	0,090

The performance of the product identified above is in conformity with the declared performance in Table 1 and Table 2.

This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

M. Moranek

Małgorzata Mazanek
Quality Management Director

ROHHE® Sp. z o.o.

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Tarczyn, 23 June 2023