

DECLARATION OF PERFORMANCE

No.: 02-DoP-NTL45-2024-EN

- Unique identification code of the product-type: **NT Light 45**
MW-EN 13162-T5-DS(70,90)-WS-WL(P)
- Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) of the CPR: **see product label**
- Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: **Thermal insulation for buildings**
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): **LLC «NOVOTHERM» Karachivske shose 44, 61071, Kharkiv, Ukraine e-mail: sales@novoterm.com.ua website: novoterm.com.ua**
- Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified Article 12(2): **not relevant**
- System or Systems of Assessment and Verification of Constancy of Performance of the construction product as set out in CPR, Annex V: **System 1, 3**
- In case of the declaration of performance concerning a construction product covered by a harmonized standard:
The certification body No. 1020 - Technický a zkušební ústav stavební Praha, s. p. performed the inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment and evaluation of factory production control according to system 1 for reaction to fire and according to system 3 and issued the test report and the certificate of constancy of performance No. 1020 - CPR – 050024780.
- Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Density (kg/m³)	45 +/-10%	EN 13162:2012+A1:2015
Length (mm)	1000 ± 3,5	
Width (mm)	600 ± 2	
Thermal resistance	Thermal resistance and R_D See table 1 thermal conductivity λ_D 0,036 (W/mK) thickness d_w 50 – 200 mm, T5	
Reaction to fire	Reaction to fire A1	
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristics A1	
Durability of reaction to fire against heat, weathering, ageing / degradation	Thermal resistance and R_D See table 1 thermal conductivity λ_D 0,036 (W/mK)	
	Durability characteristics DS(70,90)	
Compressive strength	Compressive stress at 10% relative deformation, CS NPD Point Load, PL(5) NPD	
Tensile/Flexural strength	Tensile strength perpendicular to the faces, TR NPD	
Durability of compressive strength against ageing/degradation	Compressive creep NPD	
Water permeability	Long term water absorption WL(P)	
Water vapour permeability	Water vapour transmission, NPD Water vapour diffusion resistance factor,	
Impact noise transmission index (for floors)	Dynamic stiffness NPD Thickness NPD Compressibility NPD Air flow resistivity NPD	
	Acoustic absorption index NPD	
	Direct airborne sound insulation index NPD	
	Release of dangerous substances to the indoor environment NPD	
Continuous glowing combustion	Continuous glowing combustion NPD	
NPD No Performance Determined		

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Table1 — Thermal Resistance of a mineral wool product in different thicknesses and thermal conductivity values

Thickness, d (mm)	Thermal conductivity, λ_D (W/mK)	Thermal resistance, R_D (m ² K/W)
50	0,036	1,35
60	0,036	1,65
70	0,036	1,90
80	0,036	2,20
90	0,036	2,50
100	0,036	2,75
110	0,036	3,05
120	0,036	3,30
130	0,036	3,60
140	0,036	3,85
150	0,036	4,15
160	0,036	4,40
170	0,036	4,70
180	0,036	5,00
190	0,036	5,25
200	0,036	5,55

9. The performance of the product identified above is in conformity with the set of declared performance/s.
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ukraine

10.06.2024



Mr. Eduard Vlasov
Director