



**DECLARATION OF PERFORMANCE**

**NORDIC LIGHT 8 ELITE**

1. Unique identification code of the product-type	<b>NORDIC LIGHT 8 ELITE</b>
2. Intended use/es	Thermal insulation of walls, roofs, suspended ceilings and floors
3. Manufacturer	Thermo-Logic AB Gamla Landsvägen 3F 438 34 Landvetter, Sweden Dir: +48 880 427 683, +46 73 350 10 40 Vxl: +46 10 200 82 22 info@thermo-logic.se www.thermo-logic.se
4. System/s of Assessment and Verification of Constancy of Performance	AVCP 3
5. Harmonised standard	EN 14315-1:2013
Notified body	Unit No. 1434: Polskie Centrum Badań i Certyfikacji S.A.
6. Declared performance	

Essential characteristics	Performance	
Reaction to fire	class E	
Water permeability	Short term water absorption by partial immersion	$W_p \leq 0,26$ [kg/m <sup>2</sup> ]
Thermal resistance	Initial thermal conductivity at +10°C	
	Declared aged thermal conductivity at +10°C	According to the point. J3.5. EN 14315-1 foam classified as CCC1 (<20% closed cells) ageing does not occur, hence:
		$\lambda_D = 0,038$ [W/mK]
Water vapour permeability	Water vapour transmission	MU3
Compression strength	NPD	
Durability of reaction to fire against ageing/degradation	Reaction to fire does not change with time	
Durability of thermal resistance against ageing/degradation	Specified declared value of thermal conductivity takes into account the effects of ageing during 25 years	
Durability of compression strength against ageing/degradation	Compression strength does not degrade over time (it stays constant or increases due to diffusion of air into the foam cells)	
Continuous glowing combustion	NPD	



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Essential characteristics	Performance		
	Insulation thickness [mm]	Declared aged thermal conductivity $\lambda_D$ [W/m·K]	Aged thermal resistance level $R_D$ [m <sup>2</sup> ·K/W]
Thermal resistance	40	0,038	1,05
	45	0,038	1,18
	50	0,038	1,32
	55	0,038	1,45
	60	0,038	1,58
	65	0,038	1,71
	70	0,038	1,84
	75	0,038	1,97
	80	0,038	2,11
	85	0,038	2,24
	90	0,038	2,37
	95	0,038	2,50
	100	0,038	2,63
	105	0,038	2,76
	110	0,038	2,89
	115	0,038	3,03
	120	0,038	3,16
	125	0,038	3,29
	130	0,038	3,42
	135	0,038	3,55
	140	0,038	3,68
	145	0,038	3,82
	150	0,038	3,95
	155	0,038	4,08
	160	0,038	4,21
	165	0,038	4,34
	170	0,038	4,47
	175	0,038	4,61
	180	0,038	4,74
	185	0,038	4,87
190	0,038	5,00	
195	0,038	5,13	
200	0,038	5,26	
205	0,038	5,39	
210	0,038	5,53	
215	0,038	5,66	
220	0,038	5,79	
225	0,038	5,92	
230	0,038	6,05	
235	0,038	6,18	
240	0,038	6,32	
245	0,038	6,45	
250	0,038	6,58	
255	0,038	6,71	
260	0,038	6,84	
265	0,038	6,97	



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Thermo-Logic AB

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**Performance**

Essential characteristics			
	270	0,038	7,11
	275	0,038	7,24
	280	0,038	7,37
	285	0,038	7,50
	290	0,038	7,63
	295	0,038	7,76
	300	0,038	7,89

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:

Anders Hellten, CEO  
Thermo-Logic AB  
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15/11/2023