



## DECLARATION OF PERFORMANCE

Nro. 006-FF-2025-05-08

**1. Unique identification code of the product-type:**

Extruded polystyrene (XPS) Finnfoam HU

**2. Allowing identification of the construction product:**

See product label

**3. Intended uses of the construction product:**

Thermal insulation for buildings

**4. Name, registered trade name and contact address of the manufacturer:**

Finnfoam Oy (3156678-7)

Satamakatu 5

24100 Salo, Finland

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Fax: +358 2 777 3020

Email: [finnfoam@finnfoam.fi](mailto:finnfoam@finnfoam.fi)

**5. System of attestation of conformity:**

System 4 for reaction to fire and system 3

**6. Declaration of performance concerning a construction product covered by a harmonized standard:**

VTT Expert Services (NB. 0809) and Institute of thermal insulation of Vilnius Gediminas Technical University (NB. 1688) have performed initial type testing under system 3 and issued test/calculation reports.



## 7. Declared performance:

Essential characteristics	Performance			Harmonised technical specification
Thermal resistance	Thickness tolerance	T3		
	Thickness (mm)	Thermal conductivity $\lambda_D$	Thermal resistance $R_D$	
	19	0,034	0,55	
	25	0,034	0,75	
	30	0,034	0,90	
	36	0,035	1,00	
	40	0,035	1,15	
	45	0,035	1,30	
	46	0,035	1,30	
	50	0,035	1,45	
	60	0,035	1,70	
	70	0,035	2,00	
	80	0,036	2,20	
	100	0,037	2,70	
Reaction to fire	Reaction to fire	NPD		EN 13164:2012 + A1:2015
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	NPD		
Durability of thermal resistance against heat, weathering, ageing/ degradation	Thermal resistance $R_D$ and thermal conductivity $\lambda_D$	No change		
	Durability characteristics	DS(70,90)		
Compressive strength	Copressive stress or compressive strength	< 28 mm	CS(10\Y)300	
		28-60 mm	CS(10\Y)400	
		$\geq 70$ mm	CS(10\Y)500	
	Deformation under specified compressive load and temperature conditions	NPD		
Tensile/ Flexural/ Shear strength	Bending strength	NPD		
	Tensile strength perpendicular to faces	NPD		

	Shear strength	NPD	
<b>Durability of compressive strength against ageing and degradation</b>	Compressive creep $\geq 30\text{mm}$	NPD	
	Cyclic loading	NPD	
	Freeze-thaw resistance	NPD	
<b>Water permeability</b>	Long term water absorption after total immersion	NPD	
	Long term water absorption after diffusion	WD(V)2	
<b>Water vapour permeability</b>	Water vapour diffusion resistance factor $\mu$	150	
<b>Release of dangerous substances to the indoor environment</b>	Release of dangerous substances	No releases	
<b>Continuous glowing combustion</b>	Continuous glowing combustion	NPD	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

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:

Henri Nieminen, CEO

Salo 8.5.2025



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(signature)