

## DECLARATION OF PERFORMANCE

Nro. 005-FF-2016-01-04

1. **Unique identification code of the product-type:** Extruded polystyrene (XPS) Finnfoam FI700, FL700.
2. **Allowing identification of the construction product:** See product label.
3. **Intended uses of the construction product:** Products are used as thermal insulation. Product applications are specified in the web site [www.finnfoam.fi](http://www.finnfoam.fi).

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

Finnfoam Oy (0689386-6)  
Satamakatu 5  
24100 Salo, Finland  
Tel. +358 2 777 300  
Fax: +358 2 777 3020  
Email: [finnfoam@finnfoam.fi](mailto:finnfoam@finnfoam.fi)

6. **System of attestation of conformity:** System 3
7. **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) performed initial type testing under system 3 and issued test/calculation reports.

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8. Declared performance:

Essential characteristics	Performance			Harmonised technical specification
Thermal resistance	Thickness tolerance	T1		EN 13164:2012 + A1:2015
	Thickness (mm)	Thermal conductivity $\lambda_D$	Thermal resistance $R_D$	
	50	0,037	1,35	
	70	0,035	2,00	
	100	0,037	2,70	
Reaction to fire	Reaction to fire	E		
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	Compressive stress or compressive strength	CS(10\Y)600		
	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		
Durability of compressive strength against ageing and degradation	Compressive creep	CC(2/1,5/50)270		
	Cyclic loading	NPD		
	Freeze-thaw resistance	FTCD1		
Water permeability	Long term water absorption after total immersion	WL(T)0,7		

	Long term water absorption after diffusion	WD(V)1	
<b>Water vapour permeability</b>	Water vapour transmission	NPD	
<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	

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.

**Safety data sheet: [www.finnfoam.fi/kayttoturvallisuustiedote](http://www.finnfoam.fi/kayttoturvallisuustiedote)**

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Salo 4.1.2016




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(signature)