

# DECLARATION OF PERFORMANCE

No. 002-FFL-2017-08-16

- 1. Unique identification code of the product-type:** Extruded polystyrene (XPS) Finnfoam FI300, FI300P, FI300 XX, FI300P XX, FI300 DRAIN, FI300P DRAIN, FL300P DRAIN, FL300, FL300P, FL300 XX, FL300P XX, CW300, FK300, FK300P, LS300, LB300, US300, UB300
- 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.lt](http://www.finnfoam.lt).
- 4. Name, registered trade name and contact address of the manufacturer:**

JSC Finnfoam (300642584)

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- 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 $\lambda_D$	Thickness (mm)	
	20	0,031	0,65	
	30	0,033	0,90	
	40	0,033	1,20	
	50	0,033	1,50	
	60	0,035	1,70	
	70	0,035	2,00	
	80	0,035	2,25	
	100	0,036	2,75	
	120	0,037	3,25	
	130 (2x65)	0,035	3,70	
	140 (2x70)	0,035	4,00	
	150 (2x75)	0,035	4,20	
	160 (2x80)	0,035	4,50	
	180 (100+80)	0,036	5,00	
	200 (2x100)	0,036	5,50	
	250 (3x84)	0,035	7,10	
300 (3x100)	0,036	8,30		
Reaction to fire	Reaction to fire	NPD		
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	20 mm	CS(10/Y)200	
		$\geq 30$ mm	CS(10/Y)300	
	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	20 mm	CC(2/1,5/50)90
		≥ 30 mm	CC(2/1,5/50)130
	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	≤ 80 mm	WD(V)2
		≥ 100 mm	WD(V)1
Water vapour permeability	Water vapour transmission	NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	No releases	
Continuous glowing combustion	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:** <http://www.finnfoam.lt/finnfoam/sveikata-ir-sauga/saugos-duomenu-lapas/>

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Kaunas 16.8.2017



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(signature)