



## DECLARATION OF PERFORMANCE

Nro. 111-FF-2018-01-30

1. **Unique identification code of the product-type:** Expanded polystyrene (EPS) FF-EPS 60S, FF-EPS M 60S, FF-EPS X 60S.
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:**

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Tel. +358 2 777 300  
Fax: +358 2 777 3020  
Email: [finnfoam@finnfoam.fi](mailto:finnfoam@finnfoam.fi)

**6. System of attestation of conformity:** AVCP 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.



**8. Declared performance:**

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Euroclass	E	EN 13163:2013 + A2:2016
Water permeability	Water absorption	NPD	
Release of dangerous substances to the indoor environment *	Release of dangerous substances		
Thermal resistance	Thermal conductivity	$\lambda_D=0,031$	
	Thickness tolerance	T(2)	
	Thickness (mm)	Thermal resistance R	
	100	3,20	
	120	3,85	
	130	4,20	
	150	4,85	
	170	5,50	
	180	5,80	
	200	6,45	
	210	6,75	
	220	7,10	
	240	7,75	
	250	8,05	
	260	8,40	
	300	9,70	
310	10,00		
320	10,30		
350	11,30		
Water vapour permeability	Water vapour transmission $\mu$	20 – 40	
Compressive strength	Compressive stress at 10% deformation	60 kPa	
	Deformation under specified compressive load and temperature conditions	NPD	
Tensile/Flexural/Shear strength	Bending strength	100 kPa	
	Tensile strength perpendicular to faces	130 kPa	

	Shear strength	50 kPa
<b>Dimensional stability under specified temperature and humidity conditions</b>	48 h, 70°C,90% R.H	DS(70,90)1
<b>Durability of reaction to fire against heat, weathering, ageing/degradation</b>	Durability characteristics	No change
<b>Durability of thermal resistance against heat, weathering, ageing/ degradation</b>	Durability characteristic	No change
<b>Durability of compressive strength against ageing and degradation</b>	Compressive creep	NPD
	Freeze-thaw resistance	NPD

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

\*Test method is not yet available

NPD = No performance determined

**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 30.1.2018



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(Signature)