

# SUORITUSTASOILMOITUS

Nro. 111-FF-2016-05-09

1. **Unique identification code of the product-type:** Expanded polystyrene (EPS) FF-EPS 60S
2. **Allowing identification of the construction product:** FF-EPS 60S
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:** 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.

The logo consists of the letters 'FF' in a bold, italicized, yellow font with a black outline, followed by a hyphen and the letters 'EPS' in a bold, black, sans-serif font.

## 9. Declared performance:

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Euroclass	E	EN 13163:2015
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(1)	
	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	
	240	7,75	
	250	8,05	
260	8,40		
300	9,70		
Water vapour permeability	Water vapour transmission $\delta$	0,009 - 0,020 mg/(Pa·h·m)	
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	
Dimensional stability under specified temperature and humidity conditions	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

\* Test method is not yet in the product standard

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 9.5.2016



\_\_\_\_\_  
(Signature)