

DECLARATION OF PERFORMANCE

Nro. 112-FF-2015-04-14

1. **Unique identification code of the product-type:** Expanded polystyrene (EPS) FF-EPS 100S
2. **Allowing identification of the construction product** FF-EPS 100S
3. **Intended uses of the construction product:** Products are used as thermal insulation. Product applications are specified in the web site www.finfoam.fi .
4. **Name, registered trade name and contact address of the manufacturer:**

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24100 Salo, Finland
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Fax: +358 2 777 3020
Email: finfoam@finfoam.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.

Declaration of performance

9. Declared performance:

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Euroclass	E	EN 13163:2012
Water permeability	Water absorption	WL(T)3	
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	
	85	2,75	
	100	3,20	
	120	3,85	
	150	4,85	
	170	5,50	
	180	5,80	
	200	6,45	
220	7,10		
Water vapour permeability	Water vapour transmission δ	0,009 - 0,020 mg/(Pa·h·m)	
Compressive strength	Compressive stress at 10% deformation	100 kPa	
	Deformation under specified compressive load and temperature conditions	NPD	
Tensile/ Flexural/ Shear strength	Bending strength	150 kPa	
	Tensile strength perpendicular to faces	NPD	
	Shear strength	NPD	
Dimensional stability under specified temperature and humidity conditions	48 h, 70°C, 90% R.H	DS(70,90)1	



Declaration of performance

Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	No change
Durability of thermal resistance against heat, weathering, ageing/ degradation	Durability characteristics	No change
Durability of compressive strength against ageing and degradation	Compressive creep	CC(3,0/2,0/10)40
	Freeze-thaw resistance	NPD

* Test method is not yet in the product standard

NPD = No Performance Determined

Safety data sheet: www.finnfoam.fi/kayttoturvallisuustiedote

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Salo 14.4.2015



(Signature)

FF-EPS