

DECLARATION OF PERFORMANCE

Nro. 112-FF-2014-07-24

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.

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	
	100	3,20	
	120	3,85	
	150	4,85	
	170	5,50	
	180	5,80	
	200	6,45	
Water vapour permeability	Water vapour transmission δ	0,009 - 0,020 mg/(Pa·h·m)	
	Compressive strength	100 kPa	
Tensile/ Flexural/ Shear strength	Compressive stress at 10% deformation	100 kPa	
	Deformation under specified compressive load and temperature conditions	NPD	
	Bending strength	150 kPa	
Dimensional stability under specified temperature and humidity conditions	Tensile strength perpendicular to faces	NPD	
	Shear strength	NPD	
	48 h, 70°C,90% R.H	DS(70,90)1	

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 24.7.2014



(Signature)