

DECLARATION OF PERFORMANCE

Nro. 113-FF-2018-01-30

1. **Unique identification code of the product-type:** Expanded polystyrene (EPS) FF-EPS 100.
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.

4. **Name, registered trade name and contact address of the manufacturer:**

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Email: finnfoam@finnfoam.fi

6. **System of attestation of conformity:** System 4 for reaction to fire and 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.

8. Declared performance:

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Euroclass	NPD	EN 13163:2013 + A2:2016
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		
Water vapour permeability	Water vapour transmission μ	30-70	
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	
Dimensional stability under specified temperature and humidity conditions	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 characteristic	No change	
Durability of compressive strength against ageing and degradation	Compressive creep	CC(3,0/2,0/10)40	
	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

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Salo 30.1.2018



(Signature)