

# DECLARATION OF PERFORMANCE

No. 141-FF-2017-01-01

1. **Unique identification code of the product-type:** Polyisocyanurate board (PIR) FF-PIR xxx ALI.
2. **Allowing identification of the construction product:** FF-PIR ALI
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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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 grey outline, followed by a hyphen and the letters 'PIR' in a bold, green font with a grey outline.

9. Declared performance:

ESSENTIAL CHARACTERISTICS	PERFORMANCE		HARMONISED TECHNICAL SPECIFICATION
Reaction to fire	Euroclass	E	EN 13165:2012
Water permeability	Long term water absorption by total immersion	WL(T)2	
	Flatness after one-sided wetting	FW2	
Release of dangerous substances to the indoor environment	Release of dangerous substances	No harmonised test method available	
Acoustic absorption index	Sound absorption	NPD	
Direct airborne sound insulation index	Sound absorption	NPD	
Continuous Glowing combustion	Continuous Glowing combustion	No harmonised test method available	
Thermal resistance	Thermal conductivity	d < 80mm: 0,023 d ≥ 80mm: 0,022	
	Thickness tolerance	T2	
	Thickness (mm)	Thermal resistance (m <sup>2</sup> K/W)	
	20	0,85	
	30	1,30	
	40	1,75	
	50	2,15	
	60	2,60	
	70	3,05	
	80	3,65	
	90	4,10	
	100	4,55	
	120	5,45	
	130	5,90	
140	6,35		
150	6,80		
160	7,25		
170	7,75		
200	9,10		

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	220	10,00	
	240	10,90	
Water vapour permeability	Water vapour transmission	NPD	
Compressive strength	Compressive strength	CS(10/Y)100	
Tensile/flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability of reaction to fire of the product as placed on the market against ageing/degradation	No change in Reaction to fire properties for rigid polyurethane foam products.	
Durability of thermal resistance against heat, weathering, ageing/degradatio	Dimensional stability under specified temperature and humidity conditions	DS(70,90)4	
		DS(-20,-)2	
	Deformation under specified compressive load and temperature conditions	NPD	
		NPD	
Durability of compressive strength against ageing/ degradation	Compressive creep	NPD	

**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 1.1.2017



(signature)

**FF-PIR**