SUORITUSTASOILMOITUS

DECLARATION OF PERFORMANCE

Nro. 143-FF-2016-11-24

1. **Unique identification code of the product-type**: Polyisocyanurate board (PIR) FF-PIR xxx k600.

2. **Allowing identification of the construction product:** FF-PIR k600

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:**

Finnfoam Oy (0689386-6)
Satamakatu 5
24100 Salo, Finland
Tel. +358 2 777 300
Fax: +358 2 777 3020
Email: 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.

FF-PIR

SUORITUSTASOILMOITUS

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	NPD	
	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 < 100mm: 0,023 d ≥ 100mm: 0,022	
	Thickness tolerance	T2	
	Thickness (mm)	Thermal resistance (m^2K/W)	
	50	2,15	
	100	4,55	
	120	5,45	
	150	6,80	
	200	9,10	
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.	

FF-PIR

SUORITUSTASOILMOITUS

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

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Salo 24.11.2016

_____

(signature)

FF-PIR