



## DECLARATION OF PERFORMANCE

**Nro. 146-FF-2020-03-03**

1. **Unique identification code of the product-type:** Gypsum plasterboard composite panel FF-PIR xxx GYL
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](http://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](mailto:finnfoam@finnfoam.fi)

6. **System of attestation of conformity:** AVCP 4 and 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**

# 8. Declared performance:

| ESSENTIAL CHARACTERISTICS                | PERFORMANCE                      |                                            | HARMONISED TECHNICAL SPECIFICATION |
|------------------------------------------|----------------------------------|--------------------------------------------|------------------------------------|
| Reaction to fire                         | Euroclass                        | B-s1,d0<br>(Gypsum side)                   | EN 13950                           |
|                                          | Foam fireclass<br>VTT-C-11858-16 | D-s2,d0                                    |                                    |
| Acoustic absorption index                | Sound absorption                 | NPD                                        |                                    |
| Direct airborne sound insulation index   | Sound absorption                 | NPD                                        |                                    |
| Thermal resistance<br>(calculated value) | Thermal conductivity             | $\lambda_D = 0,022$                        |                                    |
|                                          | Thickness tolerance              | T2                                         |                                    |
|                                          | Thickness (mm)                   | Thermal resistance<br>(m <sup>2</sup> K/W) |                                    |
|                                          | 30                               | 0,90                                       |                                    |
|                                          | 40                               | 1,35                                       |                                    |
|                                          | 70                               | 2,75                                       |                                    |
| Water vapour permeability                | Water vapour transmission        | NPD                                        |                                    |
| Flexural strenght                        | Longitudnal                      | > 400 N                                    |                                    |
|                                          | Tranverse                        | > 160 N                                    |                                    |
| Impact resistance                        | Impact resistance                | NPD                                        |                                    |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

**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 3.3.2020



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(Signature)