

## DECLARATION OF PERFORMANCE

Nro. 037-FF-2013-10-18

1. **Unique identification code of the product-type:** Extruded polystyrene (XPS) Finnfoam FL400-50
2. **Allowing identification of the construction product:** EAN-Code: 64 18711 24050 1
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 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.

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9. Declared performance:

| Essential characteristics                     | Performance     | Harmonized technical specification |
|---|-----------------|------------------------------------|
| Reaction to fire                              | E               | EN 13164:2012<br>EN 14934:2007     |
| Long term water absorption by total immersion | WL(T)0,7        |                                    |
| Long term water absorption by diffusion       | WD(V)1          |                                    |
| Release of dangerous substances               | No releases     |                                    |
| Thermal resistance $R_D$ (m <sup>2</sup> K)/W | 1,45            |                                    |
| Thermal conductivity $\lambda_D$ W/(mK)       | 0,035           |                                    |
| Thickness                                     | T1              |                                    |
| Water vapour transmission                     | NPD             |                                    |
| Compressive strength                          | CS(10\Y)300     |                                    |
| Tensile strength                              | NPD             |                                    |
| Dimensional stability                         | DS(70,90)       |                                    |
| Freeze-thaw resistance                        | FTCD1           |                                    |
| Compressive creep                             | CC(2/1,5/50)180 |                                    |
| Cyclic loading                                | 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 18.10.2013

(signature)

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