

## DECLARATION OF PERFORMANCE

No. 10119

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Unique identification code of the product-type | PAROC FPY 1                                              |
| Intended use/es                                | Thermal insulation for buildings                         |
| Manufacturer                                   | Paroc Group, Energiakuja 3, FI-00180 Helsinki            |
| System/s of AVCP                               | AVCP 1 for Reaction to fire, AVCP 3 for other properties |
| Harmonised standard                            | EN 13162:2012+A1:2015                                    |
| Notified body/ies                              | No. 0809 - Eurofins Expert Services Ltd                  |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Helsinki 29.6.2018



Paroc Oy Ab, Building Insulation  
Marjut Haapala, Product Certification Manager

### Declared Performance/s

| PROPERTY                                                                      | VALUE                                                                                                                                                                                         | ACCORDING TO                      |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>DIMENSIONAL STABILITY</b>                                                  |                                                                                                                                                                                               |                                   |
| Dimensional Stability at Specified Temperature, DS(70,-)                      | $\leq 1 \%$                                                                                                                                                                                   | EN 13162:2012 + A1:2015 (EN 1604) |
| <b>DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION</b>          |                                                                                                                                                                                               |                                   |
| Compressive Creep $CC(i_1/i_2/y)\sigma_c X_{ct}$                              | NPD                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 1606) |
| <b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>                              |                                                                                                                                                                                               |                                   |
| Durability of Reaction to Fire Against Heat, Weathering, Ageing/Degradation   | The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time.              |                                   |
| Durability of Thermal Resistance Against Heat, Weathering, Ageing/Degradation | Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. |                                   |

## Declared Performance/s

| PROPERTY                                                         | VALUE                                                                                                                                                                                                         | ACCORDING TO                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>REACTION TO FIRE</b>                                          |                                                                                                                                                                                                               |                                      |
| Reaction to Fire, Euroclass                                      | A1                                                                                                                                                                                                            | EN 13162:2012 + A1:2015 (EN 13501-1) |
| <b>CONTINUOUS GLOWING COMBUSTION</b>                             |                                                                                                                                                                                                               |                                      |
| Continuous Glowing Combustion                                    | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015              |
| <b>THERMAL RESISTANCE</b>                                        |                                                                                                                                                                                                               |                                      |
| Thermal Resistance                                               | <a href="https://www.paroc.com/~media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx">https://www.paroc.com/~media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx</a> | EN 13162:2012 + A1:2015              |
| Thermal Conductivity $\lambda_D$                                 | 0,037 W/mK                                                                                                                                                                                                    | EN 13162:2012 + A1:2015 (EN 13162)   |
| <b>DIRECT AIRBORNE SOUND INSULATION INDEX</b>                    |                                                                                                                                                                                                               |                                      |
| Air Flow Resistivity $AF_R$                                      | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 29053)   |
| <b>WATER PERMEABILITY</b>                                        |                                                                                                                                                                                                               |                                      |
| Water Absorption, Short Term $W_S$ , ( $W_p$ )                   | $\leq 1 \text{ kg/m}^2$                                                                                                                                                                                       | EN 13162:2012 + A1:2015 (EN 1609)    |
| Water Absorption, Long Term $W_L(P)$ , ( $W_p$ )                 | $\leq 3 \text{ kg/m}^2$                                                                                                                                                                                       | EN 13162:2012 + A1:2015 (EN 12087)   |
| <b>WATER VAPOUR PERMEABILITY</b>                                 |                                                                                                                                                                                                               |                                      |
| Water Vapour Transmission $MU$ , $\mu$                           | 1                                                                                                                                                                                                             | EN 13162:2012 + A1:2015 (EN 12086)   |
| Water Vapour Resistance $Z$                                      | NPD                                                                                                                                                                                                           | EN 13162:2012+A1:2015                |
| <b>ACOUSTIC ABSORPTION INDEX</b>                                 |                                                                                                                                                                                                               |                                      |
| Sound Absorption                                                 | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN ISO 354) |
| <b>IMPACT NOISE TRANSMISSION INDEX (FOR FLOORS)</b>              |                                                                                                                                                                                                               |                                      |
| Dynamic Stiffness $SD$                                           | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 29052-1) |
| Compressibility                                                  | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015              |
| <b>COMPRESSIVE STRENGTH</b>                                      |                                                                                                                                                                                                               |                                      |
| Compressive Stress at 10 % deformation $CS(10)$ , $\sigma_{10}$  | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 826)     |
| Compressive Strength $CS(Y)$ , $\sigma_m$                        | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 826)     |
| Point Load $PL(5)$                                               | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 12340)   |
| <b>TENSILE/FLEXURAL STRENGTH</b>                                 |                                                                                                                                                                                                               |                                      |
| Tensile Strength Perpendicular to Faces $TR$ , $\sigma_{mt}$     | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015 (EN 1607)    |
| <b>RELEASE OF DANGEROUS SUBSTANCES TO THE INDOOR ENVIRONMENT</b> |                                                                                                                                                                                                               |                                      |
| Release of Dangerous Substances                                  | NPD                                                                                                                                                                                                           | EN 13162:2012 + A1:2015              |