

## DECLARATION OF PERFORMANCE

No. 10111

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Unique identification code of the product-type | PAROC FPS 17                                             |
| 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 $CC(i1/i2/y)\sigma_c, X_{ct}$                      | 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                                               | See attachment          | EN 13162:2012 + A1:2015              |
| Thermal Conductivity $\lambda_D$                                 | 0,038 W/mK              | EN 13162:2012 + A1:2015              |
| Thickness Tolerance, T                                           | T5                      | EN 13162:2008 (EN 823)               |
| <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 $W_L(P)$ , $W_{lp}$                  | $\leq 3 \text{ kg/m}^2$ | EN 13162:2012 + A1:2015 (EN 12087)   |
| <b>WATER VAPOUR PERMEABILITY</b>                                 |                         |                                      |
| Water Vapour Resistance Z                                        | NPD                     | EN 13162:2012+A1:2015                |
| Water Vapour Transmission MU, $\mu$                              | 1                       | EN 13162:2012 + A1:2015 (EN 12086)   |
| <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              |