

## DECLARATION OF PERFORMANCE

No. 10112

|  |  |
|--|--|
| Unique identification code of the product-type | PAROC FPS 17a  |
| 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,-)                      | ≤ 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 $\lambda_D$                                 | 0,038 W/mK  | EN 13162:2012 + A1:2015              |
| Thickness Tolerance, T   | T5  | EN 13162:2012 + A1:2015 (EN 823)     |
| <b>DIRECT AIRBORNE SOUND INSULATION INDEX</b>                    |   |                                      |
| Air Flow Resistivity $A_{FR}$                                    | 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 Transmission MJ, $\mu$                              | NPD   | EN 13162:2012 + A1:2015              |
| Water Vapour Resistance Z  | 6,00 $\text{m}^2\text{hPa/mg}$  | 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              |