

DECLARATION OF PERFORMANCE

No. 10052

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|--|--|
| Unique identification code of the product-type | PAROC CES 60CS100 |
| 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 |
|---|---|-----------------------------------|
| DIMENSIONAL STABILITY | | |
| Dimensional Stability at Specified Temperature, DS(70,-) | ≤ 1 % | EN 13162:2012 + A1:2015 (EN 1604) |
| DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION | | |
| Compressive Creep $CC(i_1/i_2/y)\sigma_c X_{ct}$ | NPD | EN 13162:2012 + A1:2015 (EN 1606) |
| DURABILITY OF FIRE AND THERMAL PROPERTIES | | |
| 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 |
|--|---|--------------------------------------|
| REACTION TO FIRE | | |
| Reaction to Fire, Euroclass | A1 | EN 13162:2012 + A1:2015 (EN 13501-1) |
| CONTINUOUS GLOWING COMBUSTION | | |
| Continuous Glowing Combustion | NPD | EN 13162:2012 + A1:2015 |
| THERMAL RESISTANCE | | |
| Thermal Resistance | https://www.paroc.com/~media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx | EN 13162:2012 + A1:2015 |
| Thermal Conductivity λ_D | 0,041 W/mK | EN 13162:2012 + A1:2015 (EN 13162) |
| Thickness Tolerance, T | T5 | EN 13162:2012 + A1:2015 (EN 823) |
| DIRECT AIRBORNE SOUND INSULATION INDEX | | |
| Air Flow Resistivity A_{FR} | NPD | EN 13162:2012 + A1:2015 (EN 29053) |
| WATER PERMEABILITY | | |
| 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) |
| WATER VAPOUR PERMEABILITY | | |
| Water Vapour Transmission MU , μ | 1 | EN 13162:2012 + A1:2015 (EN 12086) |
| Water Vapour Resistance Z | NPD | EN 13162:2012+A1:2015 |
| ACOUSTIC ABSORPTION INDEX | | |
| Sound Absorption | NPD | EN 13162:2012 + A1:2015 (EN ISO 354) |
| IMPACT NOISE TRANSMISSION INDEX (FOR FLOORS) | | |
| Dynamic Stiffness SD | NPD | EN 13162:2012 + A1:2015 (EN 29052-1) |
| COMPRESSIVE STRENGTH | | |
| Compressive Stress at 10 % deformation $CS(10)$, σ_{10} | NPD | EN 13162:2012 + A1:2015 (EN 826) |
| Compressive Strength $CS(Y)$, σ_m | NPD | EN 13162:2012 + A1:2015 (EN 826) |
| Point Load $PL(5)$ | NPD | EN 13162:2012 + A1:2015 (EN 12340) |
| TENSILE/FLEXURAL STRENGTH | | |
| Tensile Strength Perpendicular to Faces TR , σ_{mt} | NPD | EN 13162:2012 + A1:2015 (EN 1607) |
| RELEASE OF DANGEROUS SUBSTANCES TO THE INDOOR ENVIRONMENT | | |
| Release of Dangerous Substances | NPD | EN 13162:2012 + A1:2015 |