# DECLARATION OF PERFORMANCE
# NO 40636

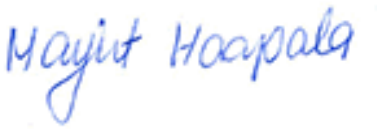
| | | |
|---|---|---|
| 1. | Unique identification code of the product-type | **PAROC Pro Mat WR 640 AluCoat** |
| 2. | Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR | **See product label** |
| 3. | Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer | **Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)** |
| 4. | Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5) | **Paroc Group, Energiakuja 3, FI-00180 Helsinki, Finland** |
| 5. | Where applicable, name and contact address of the authorized representative whose mandate covers the tasks under specified in Article 12(2) | **Not relevant** |
| 6. | System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V | **Systems 1 and 3** |
| 7. | In case of the declaration of performance concerning a construction product covered by a harmonised standard | **Notified certification body No. 0809 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire. Notified testing laboratory/ies No. 0751, No. 0809, and/or No. 1235 performed the test reports for the other relevant declared characteristics.** |

8. Declared performance

| **Essential characteristics** | | **Performance** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thermal resistance | Thermal Conductivity | °C | 10 | 50 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 640 | Harmonised technical specification EN 14303 |
| | | $\lambda_D$ W/(m*K) | 0.035 | 0.040 | 0.046 | 0.053 | 0.062 | 0.084 | 0.111 | 0.146 | 0.190 | 0.205 | |
| | Thickness | $d_D$ = 30 mm - 120 mm<br>Tolerance Class T2 | | | | | | | | | | | |
| Reaction to Fire | | A1 | | | | | | | | | | | |
| Durability of thermal resistance against ageing/ degradation | | Maximum service temperature ST(+)640 (=640 °C) | | | | | | | | | | | |
| Durability of thermal resistance against high temperature | | Maximum service temperature ST(+)640 (=640 °C) | | | | | | | | | | | |
| Durability of reaction to fire against ageing/ degradation | | Durability Characteristics A1 | | | | | | | | | | | |
| Durability of reaction to fire against high temperature | | Durability Characteristics A1 | | | | | | | | | | | |
| Compressive strength | | NPD | | | | | | | | | | | |
| Water permeability | | Water absorption WS1 (≤ 1 kg/m²) | | | | | | | | | | | |
| Water vapour permeability | | Water vapour diffusion equivalent air layer thickness MV2 ($s_d$ = 200m) | | | | | | | | | | | |
| Rate of release of corrosive substances | | Trace quantities of water-soluble chloride ions CL10 (≤ 10 ppm) and pH-value NPD | | | | | | | | | | | |
| Acoustic absorption index | | NPD | | | | | | | | | | | |
| Release of dangerous substances | | NPD | | | | | | | | | | | |
| Continous glowing combustion | | NPD | | | | | | | | | | | |
| NPD | | No Performance Determined | | | | | | | | | | | |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufactured identified in point 4.

Signed for and on behalf of the manufacturer by:
Marjut Haapala, Product Certification Manager, Paroc Group Oy



Helsinki 2022-10-24