

DECLARATION OF PERFORMANCE

No. 40339

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| Unique identification code of the product-type | PAROC Fire Steel Protect |
| 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
Susanna Tykkä-Vedder, Development Manager

Declared Performance/s

| PROPERTY | VALUE | ACCORDING TO |
|--|-------|-----------------------------------|
| DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION | | |
| Compressive Creep $CC(i1/i2/y)\sigma_c, X_{ct}$ | NPD | EN 13162:2012 + A1:2015 (EN 1606) |

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 Conductivity λ_D | 0,038 W/mK | EN 13162:2012 + A1:2015 |
| WATER PERMEABILITY | | |
| Water Absorption, Short Term WS, W_p | $\leq 1 \text{ kg/m}^2$ | EN 13162:2012 + A1:2015 (EN 1609) |
| Water Absorption, Long Term WL(P), W_{lp} | $\leq 3 \text{ kg/m}^2$ | EN 13162:2012 + A1:2015 (EN 12087) |
| WATER VAPOUR PERMEABILITY | | |
| Water Vapour Resistance Z | NPD | EN 13162:2012+A1:2015 |
| Water Vapour Transmission MU, μ | 1 | EN 13162:2012 + A1:2015 (EN 12086) |
| 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) |
| 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 |