

Declaration of Performance

No: MK250-25

Unique identification code of the product-type : ORTHOBLOCK MK250

Intended Use/es: Protected masonry structures

Manufacturer: **NORTHERN GREECE CERAMICS S.A.**

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System/s AVCP : System 4

Harmonised standard: EN 771-1:2011+A1:2015

Declared performance/s:

| Essential characteristics | Performance | | Harmonized technical specification |
|---|-------------|-------------------|------------------------------------|
| Length | 380 | mm | EN 772-16 |
| Width | 250 | mm | EN 772-16 |
| Height | 240 | mm | EN 772-16 |
| Dimensional tolerance | T1 | | EN 771-1 |
| Range category | R1 | | EN 771-1 |
| Flatness of bed faces | ≤1 | mm | EN 772-20 |
| Plane parallelism of bed faces | ≤1 | mm | EN 772-16 |
| Gross Dry density | 700 | kg/m ³ | EN 772-13 |
| Net dry density | 1900 | kg/m ³ | EN 772-13 |
| Density tolerance | D1:10 | % | EN 771-1 |
| Mean compressive strength (perpendicular to bed face) | 8,5 | N/mm ² | EN 772-1 |
| Category | II | | EN 771-1 |
| Bond strength (Tabulated value according to EN 998-2 Annex C) | 0,30 | N/mm ² | EN 998-2 |
| Thermal conductivity $\lambda_{10,dry,unit}$ (P3) | 0,2061 | W/mK | EN 1745 |
| Thermal conductivity $\lambda_{equ,design,masonry}$ (with 3mm mortar joints) | 0,2284 | W/mK | EN 1745 |
| Water vapour permeability μ | 5/10 | | EN 1745 |
| Durability against freeze/thaw | F0 | | EN 771-1 |
| Water absorption | NPD | | EN 771-1 |
| Active soluble salt content - category | S0 | | EN 771-1 |
| Reaction to fire - Euroclass | A1 | | EN 771-1 |
| Dangerous substances | NPD | | EN 771-1 |

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:

Ilias Tragazikis – Quality Control Supervisor

Nea Santa 11/04/2025

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