

# Declaration of Performance

No: P NK250-25

Unique identification code of the product-type : ORTHOBLOCK PLUS NEW K250

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  | 250         | 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   | 760         | kg/m <sup>3</sup> | EN 772-13                          |
| Net dry density   | 1900        | kg/m <sup>3</sup> | EN 772-13                          |
| Density tolerance   | D1:10       | %                 | EN 771-1                           |
| Mean compressive strength (perpendicular to bed face)                           | 9,0         | N/mm <sup>2</sup> | EN 772-1                           |
| Category  | II          |                   | EN 771-1                           |
| Bond strength<br>(Tabulated value according to EN 998-2 Annex C)                | 0,30        | N/mm <sup>2</sup> | EN 998-2                           |
| Thermal conductivity $\lambda_{10,dry,unit}$ (P3)                               | 0,0856      | W/mK              | EN 1745                            |
| Thermal conductivity $\lambda_{equ,design,masonry}$<br>(with 3mm mortar joints) | 0,1004      | W/mK              | EN 1745                            |
| Water vapour permeability $\mu$   | 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  | B-s1,d0     |                   | 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 Systems Manager

Nea Santa 22/10/2025

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