

**NORTHERN GREECE CERAMICS S.A.**

Nea Santa 61100 - Kilkis, Greece  
 Tel: 0030 23410 75570  
 Fax: 0030 23410 75574  
 Email: info@kebe-sa.gr  
 web: www.kebe-sa.gr

EST. 1935

**KOTHALI**

NORTHERN GREECE CERAMICS

**13****EN 771-1:2011+A1:2015****ORTHOBLOCK PLUS K 250**

**Vertically Perforated Clay Masonry unit P, for use in protected masonry,  
 Category II and voids filled with expanded polysterene (XPS) containing  
 graphite.**



DOP Reference No	PK250-23	
Length	250	mm
Width	250	mm
Height	240	mm
Dimensional tolerance	T1	
Range category	R1	
Flatness of bed faces	≤1	mm
Plane parallelism of bed faces	≤1	mm
Configuration	As in attached drawing	
Gross dry density	813	kg/m <sup>3</sup>
Net dry density	1832	kg/m <sup>3</sup>
Density tolerance	D1:10	%
Mean compressive strength (perpendicular to bed face)	≥7,0	N/mm <sup>2</sup>
Category	II	
Bond strength (Tabulated value acc.to EN 998-2 Annex C)	0,30	N/mm <sup>2</sup>
Thermal conductivity $\lambda_{10,dry,unit}$ (P3)	0,0901	W/mK
Thermal conductivity $\lambda_{equ,design,masonry}$ (with 3mm mortar joints)	0,1094	W/mK
Water vapour permeability $\mu$	5/10	
Durability	F0	
Water absorption	NPD	
Active soluble salt content	S0	
Reaction to fire : Euroclass	E	
Dangerous substances	NPD	

**Particular conditions applicable to the use:**

Cutting with power tools may generate dust. People undertaking works of this nature are advised to wear suitable personal protective equipment (PPE)



# Declaration of Performance

No: PK250-23

Unique identification code of the product-type : ORTHOBLOCK PLUS 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	813	kg/m <sup>3</sup>	EN 772-13
Net dry density	1832	kg/m <sup>3</sup>	EN 772-13
Density tolerance	D1:10	%	EN 771-1
Mean compressive strength (perpendicular to bed face)	≥7,0	N/mm <sup>2</sup>	EN 772-1
Category	II		EN 771-1
Bond strength (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)	0,0901	W/mK	EN 1745
Thermal conductivity $\lambda_{equ,design,masonry}$ (with 3mm mortar joints)	0,1094	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	E		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:

George Koutsoupas - Quality Systems Manager

Nea Santa 03/10/2023

NORTHERN GREECE CERAMICS S.A.  
NEA SANTA - KILKIS  
TEL: +30 2341075570  
FAX: +30 2341075574  
EL 998755534