

**NORTHERN GREECE CERAMICS S.A.**

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EST. 1935

KOTHALI**KEBE**

NORTHERN GREECE CERAMICS

25**EN 771-1:2011+A1:2015****ORTHOBLOCK MK180****Vertically Perforated Clay Masonry unit P, for use in protected masonry, Category II**

DOP Reference No	MK180-25	
Length	380	mm
Width	180	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	650	kg/m ³
Net dry density	1900	kg/m ³
Density tolerance	D1:10	%
Mean compressive strength (perpendicular to bed face)	9,0	N/mm ²
Category	II	
Bond strength (Tabulated value acc.to EN 998-2 Annex C)	0,30	N/mm ²
Thermal conductivity λ _{10,dry,unit} (P3)	0,1964	W/mK
Thermal conductivity λ _{eq,design,masonry} (with 3mm mortar joints)	0,2138	W/mK
Water vapour permeability μ	5/10	
Durability against freeze/thaw	F0	
Water absorption	NPD	
Active soluble salt content	S0	
Reaction to fire : Euroclass	A1	
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: MK180-25

Unique identification code of the product-type : ORTHOBLOCK MK180

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	180	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	650	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)	9,0	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 λ _{10,dry,unit} (P3)	0,1964	W/mK	EN 1745
Thermal conductivity λ _{equ,design,masonry} (with 3mm mortar joints)	0,2138	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 05/03/2025

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