

**NORTHERN GREECE CERAMICS S.A.**

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EST. 1935

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**KEBE**

NORTHERN GREECE CERAMICS

**12****EN 771-1:2011+A1:2015****Λ K190****Vertically Perforated Clay Masonry unit P, for use in protected masonry, Category II**

DOP Reference No	Λ K190-25	
Length	330	mm
Width	190	mm
Height	190	mm
Dimensional tolerance	T1	
Range category	R1	
Flatness of bed faces	NPD	
Plane parallelism of bed faces	NPD	
Configuration	As in attached drawing	
Gross dry density	755	kg/m <sup>3</sup>
Net dry density	1775	kg/m <sup>3</sup>
Density tolerance	D1:10	%
Mean compressive strength (perpendicular to bed face)	>20	N/mm <sup>2</sup>
Category	II	
Bond strength (Tabulated value acc.to EN 998-2 Annex C)	0,15	N/mm <sup>2</sup>
Thermal conductivity λ <sub>10,dry,unit</sub> (P3)	0,2571	W/Mk
Thermal conductivity λ <sub>equ,design,masonry</sub> (with 3mm mortar joints)	0,2898	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: Λ K190-25

Unique identification code of the product-type : Λ K190

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	330	mm	EN 772-16
Width	190	mm	EN 772-16
Height	190	mm	EN 772-16
Dimensional tolerance	T1		EN 771-1
Range category	R1		EN 771-1
Flatness of bed faces	NPD		EN 772-20
Plane parallelism of bed faces	NPD		EN 772-16
Gross Dry density	755	kg/m <sup>3</sup>	EN 772-13
Net dry density	1775	kg/m <sup>3</sup>	EN 772-13
Density tolerance	D1:10	%	EN 771-1
Mean compressive strength (perpendicular to bed face)	>20	N/mm <sup>2</sup>	EN 772-1
Category	II		EN 771-1
Bond strength (Tabulated value according to EN 998-2 Annex C)	0,15	N/mm <sup>2</sup>	EN 998-2
Thermal conductivity $\lambda_{10,dry,unit}$ (P3)	0,2571	W/mK	EN 1745
Thermal conductivity $\lambda_{equ,design,masonry}$ (with 3mm mortar)	0,2898	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	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 18/02/2025

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