



DECLARATION OF PERFORMANCE BRICK SIZE 215 MM				
Model: N° 005-KC-05/11/2018				
(1) Product group	Clay facing brick	(4) Klinker Covadonga S.L. Barrio Los Coteros N° 3 39600 Muriedas (Cantabria)		
(2) Product type	KLINKER CLAY BRICK HD KLINKER R-55 215 x 102,5 x 65	Spain		
(3) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the Manufacturer	HD units for unprotected masonry walls, columns and partitions			
(5) System of assessment and verification of constancy of performance of the construction product	4			
(6) Notified body				
Work performed				
(i) Initial inspection of the manufacturing plant and of the factory production control				
(ii) Continuous surveillance, evaluation and approval of factory production control				
(7) Declared performance				
Essential technical characteristics		Performance		Harmonised Technical Specifications
Exfoliation / lamination		No exfoliated or laminated bricks		
Fissures		0 fissured bricks		
Chipping (medium individual dimensions)		No bricks between 7 and 15mm		
		No bricks > 25 mm		
Dimensional tolerances (mm)	Average value	length (l)	T2	± 4
		width (a)		± 3
		height (h)		± 2
	Range	largo (l)	R2	4
		width (a)		3
		height (h)		2
Wall thickness (mm)	Face wall	≥ 20		
	Non-face wall	≥ 18		
	Interior wall	≥ 8		
Parallelism of bed faces (mm)	N/A			
Flatness of bed faces (mm)	Diagonals	l > 300 mm	N/A	
		300 ≥ l ≥ 250 mm	≤ 3	
		l ≤ 250 mm	≤ 2	
Percentage of holes (%)	Declared value (%)	≤ 33		
	Tolerance (%)	Min: 29 - Max: 36		
Volume of largest holes (% del gross value)	≤ 8,5			
Combined thickness of walls (%)	≤ 35			
Water absorption in exterior elements (%)	≤ 5			
Anticapillary barrier absorption in units (%)	N/A			
Suction (Kg/(m ² x min))	≤ 0,4			
Standard normalised compressive strength (N/mm ²)	≥ 55			
	Perpendicular to bed faces			
Density	Absolute (Kg/m ³)	2.300		
	Apparent (Kg/m ³)	1.500		
	Tolerance (%)	± 10		
Mass (g)	Reduction due to	Guaranteed minimum value Valor mínimo por grueso		
	NO	1.600		
Efflorescence	Nil efflorescence			

EN 771-1:2011+A1:2015

Freeze/thaw resistance		F2 (25 cycles)		EN 771-1:2011+A1:2015
		Test carried out in chamber with forced ventilation		
Thermal properties (Method)		Tabulated value from the Catalogue of Constructive Elements		
λpieza (W/m x k)		0,35		
Rmuro (m ² x k/w)		0,18		
Water vapour permeability - μ		50/100		
Active soluble salts content		S2		
Expansion by humidity (mm/m)		≤ 0,25		
Reaction to fire	(%organic material < 1 %)	CLASS A1		
Adherence (N/mm ²)		0,15		
Surface colour		Bricks are produced with or without surface colour		
Hidrofuged		NO		
Special shapes		SI		
Manufactured with different surface finishes (smooth, sandfaced, rusticated etc). This brick does not need to be hidrofuged due to its exceptionally low water absorption and suction. SPECIAL SHAPES: All special shapes are guaranteed by this certificate. COVADONGA KLINKER BRICK SLIPS, size 215mm x 26mm x 65, are included in the Technical Certificate.				
(8) The performance of the product identified in (1) and (2) is in conformity with the declared performance (7).				
This declaration of performance is issued under the sole responsibility of the manufacturer (4).				
Fernando Jerez Alonso, Managing director				 KLINKER COVADONGA S.L. C. I. F. B. 054/7346 Teléf. +34 942 251 600
Signed for and on behalf of the Manufacturer in Muriedas: November 5th, 2018				