



DECLARATION OF PERFORMANCE BRICK SIZE 210 MM Model: N° 007-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-55 210 x 100 x thickness	Spain	
(3) Intended use or uses of the construction product			HD units for unprotected masonry walls, columns and partitions	
(5) System of assessment and verification of constancy of performance			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	EN 771-1:2011+A1:2015	
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)		± 4
		width (a)		± 3
		height (h)		± 2
	Range	largo (l)		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 (%)	≤ 25		
	Tolerance (%)	Min: 22 - Max: 28		
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 <sup>2</sup> x min))		≤ 0,4		
Standard normalised compressive strength (N/mm <sup>2</sup> )		≥ 55		
		Perpendicular to bed faces		
Density	Absolute (Kg/m <sup>3</sup> )	2.300		
	Apparent (Kg/m <sup>3</sup> )	1.770		
	Tolerance (%)	± 10		
Mass (g)	Reduction due to	NO		
		Guaranteed minimum value: 1.600		
Efflorescence		Nil efflorescence		

Freeze/thaw resistance	F2 (25 cycles)		EN 771-1:2011+A1:2015
Thermal properties (Method)	Test carried out in chamber with forced ventilation		
	Tabulated value from the Catalogue of Constructive Elements		
λpieza (W/m x k)	0,35		
Rmuro (m <sup>2</sup> 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 <sup>2</sup> )	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 210 x 26 x 48mm, 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			
Signed for and on behalf of the Manufacturer in Muriedas: November 5th, 2018		<b>KLINKER COVADONGA, S.L.</b> C. I. F. B 664 27346 Teléf. +34 942 251 600	