

DECLARATION OF PERFORMANCE BRICK SIZE 230 MM							
Nº008-KC-2/06/2019							
(1) Product group	Clay facing brick		(4) Klinker Covadonga S.L. Barrio Los Coteros Nº 3				
(2) Product type	KLINKER CLAY BRICK	HD KLINKER R-55 230 x 110 x 76	39600 Muriedas (Cantabria) Spain				
(3) Intended use or uses of the construction product, in accordance with the applicable harmonised technical			HD units for unprotected masonry walls,				
(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		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)	T2			± 4	
		width (a)				± 3	
		height (h)				± 2	
	Range	largo (l)	R2			5	
		width (a)				3	
		height (h)				3	
Wall thickness (mm)	Face wall		≥ 15				
	Non-face wall		≥ 10				
	Interior wall		≥ 5				
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 (%)		≤ 34				
	Tolerance (%)		Min: 30 - Max: 37				
Volume of largest holes (% del gross value)		≤ 8,5					
Combined thickness of walls (%)		≤ 20					
Water absorption in exterior elements (%)		≤ 5					
Anticapillary barrier absorption in units (%)		N/A					
Suction (Kg/(m ² x min))		≤ 0,4					
		≥ 55					
Standard normalised compressive strength (N/mm ²)		Perpendicular to bed faces					
Density	Absolute (Kg/m ³)		2.300				
	Apparent (Kg/m ³)		1.540				
	Tolerance (%)		± 10				
Mass (g)	Reduction due to	NO	Guaranteed minimum value :				
			2.200				
Efflorescence		Nil efflorescence					

Freeze/thaw resistance		F2 (25 cycles)			
		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)		≤ 0,30			
Reaction to fire		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 230mm x 26mm x 76, 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

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Signed for and on behalf of the Manufacturer in Muriedas: June 2nd, 2019