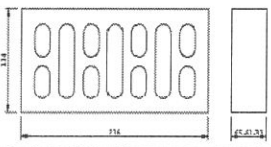


DECLARATION OF PERFORMANCE

Nº: 0910104/DP



(1) Identification of the Product Type: Clay Brick for Masonry		(2) Manufacturer: GRES ACUEDUCTO S.A. Ctra. Vegas de Matute s/n 40422 Otero de Herreros Segovia	
Commercial Designation: (C.B. HD Gres R-20) Ártico.		Dimensions: 236x114x33 236x114x51 236x114x65	
(3) Intended Use: Facing Masonry			
(4) System of Assessment and Verification of constancy of performance:			2+
(5) Notified Body		AENOR	0099
i. Initial inspection of the manufacturing plant and of factory production control. ii. Continuous surveillance, assessment and evaluation of factory production control and issued certificate numbers.			
0099/CPR/A73/0059		08/05/2.006	
(6) Declared Performance			
Essential Characteristics		Performance	
Dimensions (Length x Width x Height)		236x114x33 mm	
		236x114x51 mm	
		236x114x65 mm	
Dimensional Tolerances	Average Value	T2	
	Range	R2	
Wall Thickness	Visible Face	≥ 15,0 mm	
	Not Visible Face	≥ 10,0 mm	
	Interior Wall	≥ 5,0 mm	
Orthogonality		≤ 2,0 mm	
Faces Flatness	300 ≥ l ≥ 250mm	≤ 3,0 mm	
	l ≤ 250mm	≤ 2,0 mm	
Percentage of Hollows		≤ 45%	
Bigger Hollow Volume		≤ 12,5 %	
Combined Thickness of Partition Walls		≥ 20%	
Configuration			
Density / Tolerance	Gross	1.250 Kg/m ³	D1
	Net	2.000 Kg/m ³	
Compressive Strength / Category		20 N/mm ²	I
Water Absorption		≤ 6%	
Initial Rate of Water Absorption		≤ 0,8 Kg/(m ² ·min)	
Durability		F2	
Moisture Expansion		≤ 0,20 mm/m	
Active Soluble Salt Content		S2	
Efflorescence		No Efflorescence	
Reaction to Fire		A1	
Thermal Properties. Conductivity λ (unit/Wall) (W/mK)	37	0,35	0,18
	48		0,18
	68		0,21
Vapor Permeability		50/100	
Adherence		≥ 0,3 N/mm ²	
· The performance of the product identified in (1) are in accordance with the declared performance in (6). · This declaration of performance is issued under the sole responsibility of the manufacturer identified in point (2).			
Signed: D. Francisco Antonio Rodriguez Moreno, Representante Legal. Otero de Herreros, 10 October 2.014			

EN 771-1:2.011

