

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET Nº: GA21510265ING

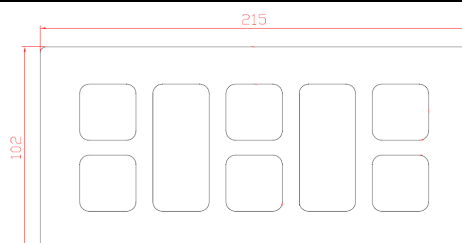
06/10/2014

FACTORY: GRES ACUEDUCTO S.A.

LOCATION: Otero De Herreros. Segovia. (Spain)



DESING



DESCRIPTION	CLAY BRICK HD R-45 of 215 x 102 x 65, Category II
COMERCIAL MODELS	Levante, Castilla, Guadarrama, Aragón, Galicia, Cataluña, Escorial, Otero, Montserrat, Ronda, Timanfaya, Arrecife, Lanzarote, Bilbao, Granada, Ingles, Asturias, Mieres, Laredo, Suances, Quirón, Orotava, Oporto, Pirineo, Alicante, Navarra y Ártico
DIMENSIONS(mm)	215 x 102 x 65

TECHNICAL SPECIFICATION (UNE EN 771-1:2011)			GUARANTEED PROPERTIES
EXFOLIATIONS / LAMINATIONS	Visual	UD	None
FISSURED BRICKS	Visual	UD	≤ 1 Brick of 6
CHIPPED BRICKS	UNE 67039 EX	UD (7 < d < 15 mm)	≤ 1 Brick of 6
		UD (d > 15 mm)	None
DIMENSIONAL TOLERANCES	UNE-EN 772-16	AVERAGE VALUE	T2
		DISPERSION	R2
WALL THICKNESS		VISIBLE FACE	≥ 15
		NOT VISIBLE FACE	≥ 10
ORTHOGONALITY		INTERIOR WALL	≥ 5
FACES FLATNESS		UNE-EN 772-20	mm
	L > 300 mm		N/A
	300 ≥ L ≥ 250		≤ 3
PERCENTAGE OF HOLLOW	UNE-EN 772-3	(%)	≤ 38
BIGGER HOLLOW VOLUME	UNE-EN 772-9	(%)	≤ 12,5
COMBINED THICKNESS OF PARTITION WALLS	UNE-EN 772-16	(%)	≥ 20
WATER ABSORPTION	Annex C UNE-EN 771-1	(%)	≤ 6
INITIAL RATE OF ABSORPTION	UNE-EN 772-11	(Kg/(m²xmin))	≤ 0,8
COMPRESSIVE STRENGTH (*)	UNE-EN 772-1	(N / mm²)	≥ 45
DENSITY	UNE-EN 772-13	ABSOLUTE (Kg/m³)	2.150 (*)
		APPARENT (Kg/m³)	1.400 (*)
		TOLERANCE (%)	± 10%
EFFLORESCENCE	UNE 67029 EX		NO EFFLORESCENCE
DURABILITY (FROST RESISTANCE)	UNE 67028 EX		F2
THERMAL PROPERTIES (Method) λ _{piezas} (W/m ·°K)	UNE-EN 1745		Tabulated
			0,350
VAPOR PERMEABILITY	Annex A UNE-EN 1745	μ	50/100
ACTIVE SOLUBLE SALTS CONTENT	UNE-EN 772-5		S2
REACTION TO FIRE	UNE-EN 13501-1		A1
MOISTURE EXPANSION	UNE 67036	mm/m	≤ 0,20
ADHERENCE	Annex C UNE-EN 998-2	(N/mm²)	≥ 0,30

OBSERVACIONES:

(*) Artico model Density Absolute is 2.000Kg/m³ and Density Apparent is 1.350kg/mm³