

AENOR

AENOR Product Certificate Clay products for construction



034/001969

AENOR certifies that the organization

TEJAS BORJA, S.A.U.

registered office	CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - España)
supplies	Clay roofing tiles and fittings
in compliance with	UNE-EN 1304:2014 (EN 1304:2013)
Nº Technical Form	0240230 (see annex)
Production site	CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - España)
Certification scheme	This Certificate has been granted in accordance with the stipulations of the Specific Rules RP 034.02
First issued on	2018-05-14
Validity date	2023-05-14



Rafael GARCÍA MEIRO
Chief Executive Officer



Original Electronic Certificate

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Product certification body accredited by ENAC, number 01/C-PR271

AENOR MARK FOR CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°: 0240230

Stamp and signature:	MANUFACTURER	TEJAS BORJA S.A.U.			AENOR  Certified Product						
	MADE IN:	LLIRIA (VALENCIA)									
	TILE DESCRIPTION:	PLAIN CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304									
	BRAND NAME:	FLAT 10 Tech									
PRODUCT TECHNICAL CHARACTERISTICS											
MANUFACTURER GUARANTEED VALUES					AENOR REQUIRED VALUES						
REQUIRED											
Nominal dimensions (mm)				Structural characteristics (% faults)	ISO 2859-1	LCA 2,5 (I)	LCA 2,5 (I)				
		Length	Width								
Individuals	X	475	285	Length tolerance (%)							
Overlap				Width tolerance (%)	± 2,0	± 2,0					
Over and Under Tiles				(not applicable in Over and Under)							
		Maximum width	Minimum width								
Impermeability				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)							
Category 1	X	Test method 1	X	EN 1024							
Category 2		Test method 2		N/A							
Frost resistance				Camber/Twist (%)							
Level 1 (n° cycles without damages ≥ 150)		X		≤ 1,5							
Level 2 (n° cycles without damages ≥ 90)				≤ 1,5							
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02											
		YES	NO								
Impermeability (D.2 RP 34.02)		X		EN 539-1							
Frost Resistance (D.3 RP 34.02)		X		≤ 0,5							
TILE SKETCH				Impermeability (cm ³ /cm ² * d)							
				Mean Value	EN 539-1						
				Individual Value	≤ 0,5		≤ 0,5				
				Mean Value	D.2 RP 34.02		≤ 0,6		≤ 0,3		
				Individual Value			≤ 0,3		≤ 0,4		
				Flexural strenght (N)		EN 538		≥ 900		≥ 900	
				Frost resistance (cycles)		EN 539-2		≥ 150		≥ 150	
						D.3 RP 34.02		≥ 100		≥ 100	
				Fire reaction performance		EN 13501-1		A1		A1	
				External fire performance		EN 13501-5		Broof		Broof	
Additional information given by the manufacturer⁽¹⁾											
Unitary mass (in grams):				3500							
Roof tiles number in m ² (with one decimal):				9,9							
Length distance between battens (cm):				VARIABLE 36,5 - 40							
Surface finish:				BORJAJET, SLATE, NEPAL BLACK, NEPAL ORANGE, DUBLIN GREY, DUBLIN BLUE, PARIS OCRE, STONE, AUSTIN GREY, AUSTIN BEIGE, DENVER GOLD, DENVER IRIS, DALLAS BEIGE, DALLAS PINK, CEMENT, PORTLAND GRAPHITE, PORTLAND GREY, PORTLAND BEIGE, SEIDNEY GREY, SIDNEY COAL, MARBLE, ROMA BLANC, ROMA DARK, WOOD, OSLO SILVER, OSLO GREY, OSLO BROWN, TORONTO COGNAC, TORONTO OAK, BOSTON BEIGE, OXID, TOKYO LEAD TOKYO COPPER, COTTO, IBIZA PINK, IBIZA SAND, NATURE, RED, MOSS RED, MONOCOLOR, LEON, LIGHT GREY, MID GREY, GRAPHITE, CHOCOLATE.							
Mass coloration:				BROWN							
Fixing types:				Nail							
Further information:											
Accessories:						Piece without water repellent treatment					
Angular Ridge, Angular Hip Starter, Angular 3-Ways, Universal straight end cap, Bretagna 2 Ridge, Bretagna 2 Hip Starter, Universal Bretagna 2 Straight End Cap, Low 100° Ridge, Low 100° Hip Starter, Low 100° Straight End Cap, Flat-10 Tech Straight Edges, Universal Angular Edge, Half Flat-10 Tech Roof Tile, Flat-10 Tech Ventilation, Flat-10 Tech Chimney Carrier, Universal Ventilation Cap.											

⁽¹⁾ This information is out of the AENOR Mark and ENAC accreditation scopes. AENOR is not responsible for the information in this square