

AENOR

AENOR Product Certificate Clay products for construction



034/001972

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 0240232 (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

This certificate supersedes 034/001972, dated 2021-06-21

First issued on 2018-07-11

Modified on 2022-03-15

Validity date 2027-03-15

Rafael GARCÍA MEIRO
Chief Executive Officer



Original Electronic Certificate

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Product certification body accredited by ENAC, number 1/C-PR271

AENOR MARK FOR CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°: 0240232

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-5XL							
PRODUCT TECHNICAL CHARACTERISTICS									
MANUFACTURER GUARANTEED VALUES					AENOR REQUIRED VALUES				
REQUIRED				Structural characteristics (% faults)	ISO 2859-1	LCA 2,5 (I)	LCA 2,5 (I)		
Nominal dimensions (mm)									
		Length	Width						
Individuals	X	457	510						
Overlap				Length tolerance (%)		± 2,0	± 2,0		
Over and Under Tiles				Width tolerance (%)		± 2,0	± 2,0		
		Maximum width	Minimum width	(not applicable in Over and Under)					
		-	-						
Impermeability				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)		EN 1024	N/A	N/A	
Category 1		X	Test method 1		X				
Category 2			Test method 2						
Frost resistance				Camber/Twist (%)		≤ 1,5	≤ 1,5		
Level 1 (n° cycles without damages ≥ 150)					X				
Level 2 (n° cycles without damages ≥ 90)									
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02									
		YES	NO						
Impermeability (D.2 RP 34.02)		X		Impermeability (cm ³ /cm ² * d)		Mean Value	EN 539-1	≤ 0,5	≤ 0,5
Frost Resistance (D.3 RP 34.02)		X				Individual Value	≤ 0,6	≤ 0,6	
						Mean Value	D.2 RP 34.02	≤ 0,3	≤ 0,3
						Individual Value	≤ 0,4	≤ 0,4	
TILE SKETCH				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 (t1/t2/t3)	Broof (t1/t2/t3)	
Additional information given by the manufacturer ⁽¹⁾									
Unitary mass (in grams):				6550					
Roof tiles number in m ² (with one decimal):				5,48					
Length distance between battens (cm):				VARIABLE 34-38,5					
Surface finish:		PLAIN COLOUR, León Matte BORJAJET, SLATE, Nepal Orange, Paris Ocre, Irish Green, COTTO, Ibiza Pink, CEMENT, Sidney Graphite, STONE, Austin Grey, Denver Gold, Denver Iris, OXID, Tokyo Copper, MARBLE, Roma Dark							
Mass coloration:		BROWN							
Fixing types:		NAILED, FOAM, POLYMERS, ACCORDING TO LAYING REGULATIONS							
Further information:		Assembly following the specifications of the manufacturer or placement rules of each place fulfilling the most restrictive.							
Accessories:									
Angular Ridge, Angular Hip Starter, Angular 3 Ways, Angular 4 Ways, Straight End Cap 100° Ridge, 100° Hip Starter, 100° End Cap, 100° 3 Ways, 100° 4 Ways, Chimney Carrier FLAT-5XL d.140, Chimney d.140, Ventilation Cap, Straight Edges Flat (Left/Right), Universal Angular Edge, Interlocking Edges Right, Interlocking Edges FLAT-5XL Left, Half FLAT-5XL, Ventilation FLAT 5XL, Decorative Piece A Ball, Decorative Piece B Acorn, Decorative Piece C Pine Cone, Decorative Piece D Lollipop, Decorative Piece E Galician Lollipop, Decorative Piece F Tulip, Decorative Piece G Tower, Decorative Piece H Pigeon, Red Bretagna 1 Ridge, Brown Bretagna 1 Ridge, Red Bretagna 2 Ridge, Brown Bretagna 2 Ridge, Bretagna 2 Ridge, Bretagna 2 Hip Starter, Bretagna 2 Straight End Cap, SOLAR FLAT 5 XL									

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