

AENOR

AENOR Product Certificate Clay products for construction



034/001970

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 0240231 (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 034/001970, dated 2021-06-21

First issued on 2018-05-14

Modified on 2022-03-15

Validity date 2027-03-15

A blue ink signature of Rafael GARCÍA MEIRO.

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°: 0240231

Stamp and signature:	MANUFACTURER	TEJAS BORJA S.A.U.				AENOR  Certified Product				
	MADE IN:	LLIRIA (VALENCIA)								
	TILE DESCRIPTION:	CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304								
	BRAND NAME:	TB-10 Tech								
PRODUCT TECHNICAL CHARACTERISTICS										
Construction details where the material named in this technical form have been placed: (For the final qualification, this technical form shall be stamped and signed by the manufacturer)	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	282	Length tolerance (%)	EN 1024	± 2,0	± 2,0		
	Overlap									
	Over and Under Tiles			Width tolerance (%) (not applicable in Over and Under)					± 2,0	± 2,0
		Maximum width	Minimum width							
	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									
	Level 1 (n° cycles without damages ≥ 150)			Camber/Twist (%)	EN 1024	≤ 1,5	≤ 1,5			
	Level 2 (n° cycles without damages ≥ 90)									
	OPTIONAL CHARACTERISTICS ANNEX D RP 34.02									
		YES	NO	Impermeability (cm3/cm2 * d)	EN 539-1	≤ 0,5	≤ 0,5			
	Impermeability (D.2 RP 34.02)	X								
	Frost Resistance (D.3 RP 34.02)	X								
	TILE SKETCH									
				Mean Value	EN 539-1	≤ 0,5	≤ 0,5			
Individual Value										
Mean Value				D.2 RP 34.02	≤ 0,3	≤ 0,3				
Individual Value										
Flexural strenght (N)				EN 538	≥ 1200	≥ 1200				
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):				3450						
Roof tiles number in m ² (with one decimal):				10,3						
Length distance between battens (cm):				39,5 - 41						
Surface finish:		NATURE, Red, Moss Red, Fosca, Manoir, Edetania, Lamalou, PLAIN COLOUR, Chocolate, Graphite, CENTENARIA, Ground, Sand, BORJAJET, Entrepins, Irati, BORJADECOR, Green, Cobalt Blue, Mocca								
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.								
Piece without water repellent treatment										
Accessories:										
Circular Ridge, Circular Sense Chagement, Circular Hip Starter, Circular 3 Ways, Circular 4 Ways, Circular Straight End Cap, Circular Curved End Cap, Cover+ Ridge, Cover+ Hip Starter, Cover+ 3 Ways, Cover+ 4 Ways, Cover+ Straight End Cap, Cover+ Curved End Cap, Under Ridge, Straight Edge (Left/Right), Curved Edge (Left/Right), Universal Angular Edge, Half TB-10 Tech, Tile and a Half TB-10 Tech, Ventilation TB-10 Tech, Chimney Carrier TB-10 Tech d.140, Chimney d.140, Ventilation Cap, Eave Closure, 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.										

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