

AENOR

AENOR Product Certificate Clay products for construction



034/001710

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 0240222 (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 034/001710, dated 2021-06-21

First issued on 2010-07-06

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°: 0240222

Stamp and signature:	MANUFACTURER	TEJAS BORJA S.A.U.						
	MADE IN:	LLIRIA (VALENCIA)						
	TILE DESCRIPTION:	CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304						
	BRAND NAME:	TB-12 BorjaDECOR						
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		Length tolerance (%)	± 2,0	± 2,0	
Individuals	X	439	260	Width tolerance (%)	± 2,0	± 2,0		
Overlap				(not applicable in Over and Under)				
Over and Under Tiles				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	EN 1024	N/A	N/A	
		Maximum width	Minimum width					
Category 1	X	Test method 1	X					
Category 2		Test method 2						
Frost resistance				Camber/Twist (%)	EN 538	≤ 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				Impermeability (cm ³ /cm ² * d)	EN 539-1	D.2 RP 34.02	≤ 0,5	≤ 0,5
		YES	NO					
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	D.2 RP 34.02	≤ 0,6	≤ 0,6	
				Mean Value	D.2 RP 34.02	N/A	N/A	
				Individual Value	D.2 RP 34.02	N/A	N/A	
				Flexural strenght (N)				EN 538
				Frost resistance (cycles)		EN 539-2	≥ 150	≥ 150
						D.3 RP 34.02	N/A	N/A
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):				3050				
Roof tiles number in m ² (with one decimal):				12,8				
Length distance between battens (cm):				37				
Surface finish:		Matt, Glazed, Crystal, Metallic						
Mass coloration:								
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:								
Circular Ridge, Circular Sense Changement, 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-12, Tile and a Half TB-12, Ventilation TB-12, Chimney Carrier TB-12 d.130, Chimney d.130, Chimney d.140, Ventilation Cap, Eave Closure, Cover Decocurva TB-12, Pan Decocurva TB-12, 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