

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 2018-05-14

First issued on 2018-05-14

Modified on 2018-11-07

Validity date 2023-11-07

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°: 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								
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 (%)		± 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)	EN 1024	N/A	N/A	
Category 1	X	Test method 1	X	(Only for Over and Under Tiles)				
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
TILE SKETCH								
				Mean Value	D.2 RP 34.02	≤ 0,3	≤ 0,3	
				Individual Value		≤ 0,4	≤ 0,4	
				Flexural strenght (N)	EN 538	≥ 1500	≥ 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	Broof	
Additional information given by the manufacturer ⁽¹⁾								
Unitary mass (in grams):				3450				
Roof tiles number in m ² (with one decimal):				10,4				
Length distance between battens (cm):				Variable de 39-41				
Surface finish:		Nature, Red, Moss Red, Fosca, Manoir, Edetania, Lamalou, Vilavella, Plain colour, Graphite, Chocolate, Centenaria, Ground, Sand, Entrepins.						
Mass coloration:		BROWN						
Fixing types:		Nail						
Further information:		Assembly following the specifications of the manufacturer or placement rules of each place fulfilling the most restrictive.						
Accessories:								
Circular Ridge, Circular hip starter, Circular 3-Ways, Circular 4-Ways, Universal circular straight end cap, Universal circular curved end cap, Cover+ Ridge, Cover+ hip starter, Cover+3-Ways, Cover+4-Ways, Universal Cover+ straight end cap, Universal Cover+ curved end cap, Universal Under Ridge, Universal Straight Edges, Universal Curved Edges, Universal Angular Edge, Half TB-10 Tech Roof Tile, Tile and a half TB-10 Tech, TB-10 Tech Ventilation, TB-10 Tech Chimney Carrier, 140 Chimney, Universal Ventilation Cap, Universal Eave Closure.								

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