

# Certificado AENOR de Producto

## Materiales de arcilla cocida para construcción



**034/001016**

AENOR, Asociación Española de Normalización y Certificación, certifica que la organización

### **TEJAS BORJA, S.A.U.**

con domicilio social en CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - España)

suministra Tejas y piezas auxiliares de arcilla cocida

conformes con UNE-EN 1304:2014 (EN 1304:2013)

Nº Ficha Técnica 0240203 (ver anexo)

elaboradas en CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - España)

Esquema de certificación Este certificado se ha concedido de acuerdo con lo establecido en el Reglamento Particular de Certificación de AENOR RP 34.02.

Este certificado anula y sustituye al 034/001016, de fecha 2010-05-27

Fecha de primera emisión 2009-06-30

Fecha de modificación 2015-01-16

Fecha de expiración 2020-01-16

Avelino BRITO MARQUINA  
Director General de AENOR


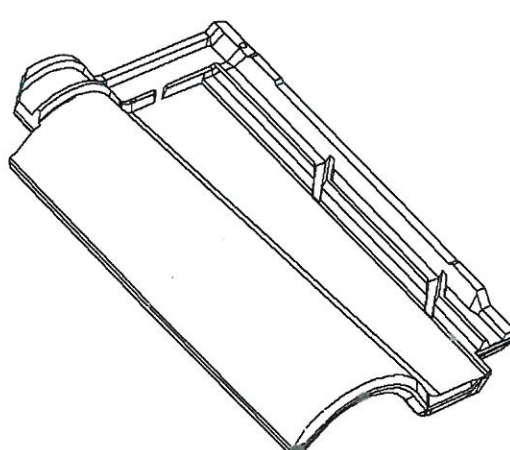
**AENOR**

Asociación Española de  
Normalización y Certificación

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## AENOR TRADE MARK FOR CLAY ROOFING TILES AND FITTINGS

### TECHNICAL FORM N°:0240203

MANUFACTURER		TEJAS BORJA, S.A.		 AENOR Producto Certificado	
MADE IN:		LLIRIA (VALENCIA)			
TILE DESCRIPTION:		CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304			
BRAND NAME:		TB-12 ROJA, MARRON, CENTENARIA			
STATED CHARACTERISTICS			VALUES RULES FROM AENOR		
REQUIRED			Structural faults (% faults)	EN 1304	≤ 2,5
Nominal dimensions (mm)					
		Length	Width	Length tolerance (%)	± 2,0
Individuals	X	439	260		
Overlap			Width tolerance (%) (not applicable in Over and Under tiles)	EN 1024	± 2,0
Over and Under Tiles					
	Maximum width	Minimum width		Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	≤ 15
	-	-			
Impermeability			Camber/Twist (%)	EN 539-1	≤ 1,5
Category 1	X	Test method 1			
Category 2		Test method 2		L > 300 mm	≤ 2,0
Frost resistance					
Level 1 (n° cycles without damages ≥ 150)		X		L ≤ 300 mm	≤ 0,5
Level 2 (n° cycles without damages ≥ 90)					
OPTIONAL CHARACTERISTICS ANNEX D RP 34.02					
		YES	NO	Impermeability (cm <sup>3</sup> /cm <sup>2</sup> x d)	EN 539-1
Impermeability (D.2 RP 34.02)			X		
Frost Resistance (D.3 RP 34.02)			X	Individual value	N/A
TILE SKETCH					
			Flexural strength (N)	EN 538	≥ 1200
			Frost resistance (cycles)	EN 539-2	≥ 150
				D.3 RP 34.02	N/A
			Fire reaction performance	EN 13501-1	A1
			External fire performance	EN 13501-5	Broof
			Additional information given by the manufacturer <sup>(1)</sup>		
Unitary mass (in grams):				3150	
Roof tiles number in m <sup>2</sup> (with one decimal):				12,5	
Length distance between battens (cm):				37,5	
Surface finish:	RED TB-12, OLD LOOKING, ROSARENA, VILAVELLA, PANORAMIAS, CENTENARIAS, LAMALOU, BIDASOA, MANOIR, CASTILLA,				
Mass coloration:	BROWN				
Fixing types:	Nail and tie				
Further information:	Assembly according to UNE 136020				
Accessories:					
Circular Ridge, End Circular ridge, Curve End Cap, Three way ridge, Four way ridge, 2 way ridge, Curved Ridge "cover+", TB-12 with under ridge, TC 25x12, Double roof tile for right edge TB-12, Double roof tile for right edge TB-12 with under ridge, 2/3TB-12, TB-12 Birds barrier, Bottom Decocurva TB-12, Top Decocurva TB-12, Under ridge, Curved edges, Curved edges TB-12, Straight edges, angular edge, Angular edge, Bardelis edge, Half roof tile, Double roof tile 2/3 for right edge TB-12 With under ridge, Corner for decocurva, Ventilation roof tile, Carrier for chimney TB-12, Chimney TB-12, Ventilation Cap, Decorative pieces.					

<sup>(1)</sup> AENOR is not responsible for the information in this square, the responsibility is exclusively and only for the manufacturer's.