

AENOR Product Certificate

Clay products for construction



034/001709

AENOR, Spanish Association for Standardization and Certification, 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	0240220 (see annexe)
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 34.02

This certificate supersedes 034/001709, dated 2015-01-16

First issued on	2010-07-06
Modified on	2016-09-12
Validity date	2021-09-12


AENOR Asociación Española de Normalización y Certificación


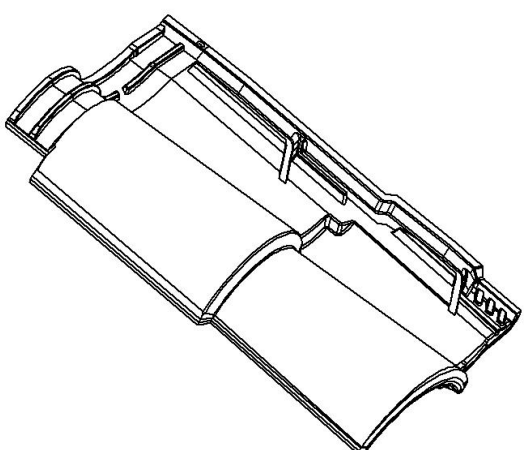
Avelino BRITO
Chief Executive Officer

AENOR Asociación Española de Normalización y Certificación

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AENOR TRADE MARK FOR CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°: 0240220

MANUFACTURER:		TEJAS BORJA, S.A.U		 AENOR Producto Certificado		
MADE IN:		LLIRIA (VALENCIA)				
TILE DESCRIPTION:		CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304				
BRAND NAME:		TB-4 Quattro® BORJAdecor®				
STATED CHARACTERISTICS		VALUES RULES FROM AENOR				
REQUIRED		Structural faults (% faults)	EN 1304	≤ 2,5		
Nominal dimensions (mm)					Length tolerance (%)	± 2,0
	Length	Width	Width tolerance (%) (not applicable in Over and Under tiles)	± 2,0		
Individuals	X	442			258	
Over and Under Tiles		Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	EN 1024	≤ 15		
	Maximum width				Minimum width	
Impermeability		Camber/Twist (%)	EN 539-1	≤ 1,5		
Category 1	X				Test method 1	X
Category 2		Test method 2				
Frost resistance		L > 300 mm	D.2 RP 34.02	N/A		
Level 1 (n° cycles without damages ≥ 150)	X				L ≤ 300 mm	≤ 2,0
Level 2 (n° cycles without damages ≥ 90)						
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02						
	YES	NO	Impermeability (cm ³ /cm ² x d)	EN 539-1		
Impermeability (D.2 RP 34.02)		X			Mean value	≤ 0,5
Frost Resistance (D.3 RP 34.02)		X	Individual value	≤ 0,6		
			Mean value	N/A		
			Individual value	N/A		
TILE SKETCH						
		Flexural strenght (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 ⁽¹⁾				
		Unitary mass (in grams):		3400		
Roof tiles number in m ² (with one decimal):		12,8				
Length distance between battens (cm):		37				
Surface finish:	Sieving, Glazed, Glass, Metallic, Iridescent, Inspiration					
Mass coloration:						
Fixing types:	Nail					
Further information:	Assembly according to UNE 136020					
Accessories:						
Circular 3 ways, Cover + 3 ways, Circular 4 ways, Cover + 4 ways, Universal eave closure, Circular ridge, Cover + ridge, D.130 universal chimney, Universal under ridge, Tb-4 pan decocurva roof tile, Circular hip starter, Cover + hip starter, Tb-4 curved edges, Universal angular edge, Universal straight edge, Half tb-4 roof tile/tb-4 cover decocurva roof tile, Universal circular curved end cap, Universal cover + curved end cap, Universal circular straight end cap, Cover + universal straight end cap, Universal ventilation cap, One half tb-4 cover decocurva roof tile, One half tb-4 roof tile, Tb-4 ventilation roof tile						

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