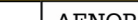


AENOR MARK FOR CLAY ROOFING TILES AND FITTINGS
TECHNICAL FORM Nº: 0240230

MANUFACTURER	TEJAS BORJA S.A.U.	
MADE IN:	LLIRIA (VALENCIA)	
TILE DESCRIPTION:	PLAIN CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304	
BRAND NAME:	FLAT-10	

PRODUCT TECHNICAL CHARACTERISTICS

MANUFACTURER GUARANTEED VALUES						AENOR REQUIRED VALUES					
REQUIRED				Structural characteristics (% faults)	ISO 2859-1	LCA 2,5 (I)	LCA 2,5 (I)				
Nominal dimensions (mm)											
		Length	Width	Length tolerance (%)	EN 1024	± 2,0	± 2,0				
Individuals	X	475	285								
Overlap				Width tolerance (%) (not applicable in Over and Under)				± 2,0	± 2,0		
Over and Under Tiles											
Maximum width		Minimum width		Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	EN 1024	N/A	N/A				
-		-									
Impermeability											
Category 1		X	Test method 1	X	EN 1024	N/A	N/A				
Category 2			Test method 2								
Frost resistance				Camber/Twist (%)	EN 1024	≤ 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 (cm3/cm2 * d)	EN 539-1	≤ 0,5	≤ 0,5				
		YES	NO								
Impermeability (D.2 RP 34.02)		X									
Frost Resistance (D.3 RP 34.02)		X									
TILE SKETCH											
				Flexural strenght (N)	EN 538	≥ 900	≥ 900				
								Frost resistance (cycles)	EN 539-2	≥ 150	≥ 150
								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):				3500			
				Roof tiles number in m ² (with one decimal):				10,2			
				Length distance between battens (cm):				VARIABLE 36,5-40			
				Surface finish:				PLAIN COLOR, Ártica, Graphite, Chocolate, Natural Black, Mid Grey, León Matte BORJAJET, SLATE, Nepal Orange, Paris Ocre, COTTO, Ibiza Pink, CEMENT, Sidney Graphite, WOOD, Toronto Oak, Weathered Cedar, OXID, Tokyo Copper			
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.							
Accessories:				Piece without water repellent treatment							
Angular Ridge, Angular Hip Starter, Angular 3 Ways, Angular 4 Ways, Straight End Cap, 100° Ridge, 100° Hip Starter, 100° End Cap, 100° 3 Ways, 100° 3 Ways, Chimney Carrier FLAT-10 d.140, Chimney d.140, Ventilation Cap, Straight Edges Flat (Left/Right), Universal Angular Edge, Interlocking Edges Left, Interlocking Edges Right, Half FLAT-10, Ventilation FLAT-10, 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, Red Bretagna 1 Ridge, Brown Bretagna 1 Ridge, Red Bretagna 2 Ridge, Brown Bretagna 2 Ridge, Bretagna 2 Ridge, Bretagna 2 Hip Starter, Bretagna 2 Straight End Cap.											

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