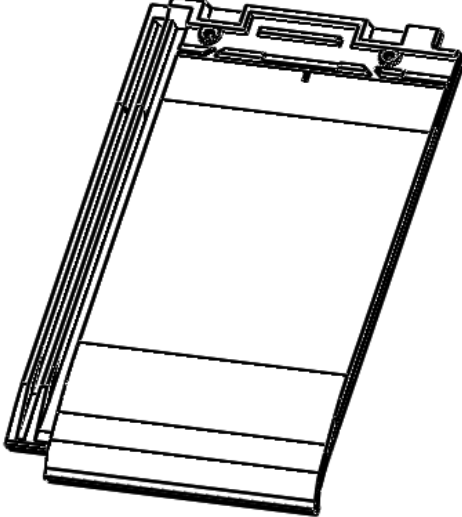


CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°:

MANUFACTURER		MAZARRON TEJAS S.L.			
MADE IN		NUMANCIA DE LA SAGRA (TOLEDO)			
TILE DESCRIPTION		TEJA PLANA CON ENCAJE LATERAL Y ENCAJE DE CABEZA UNE EN 1304			
BRAND NAME		OPTIMA FLAT ROOF TILE			
STATED CHARACTERISTICS		VALUES RULES			
REQUIRED					
Nominal dimensions (mm)		Structural faults (% faults)	EN 1304		
				≤ 2,5	
	Length	Length tolerance (%)	EN 1024		
	Width			± 2,0	
Individuals	X	447	255		
Overlap					
Over and Under Tiles		Width tolerance (%) (not applicable in Over and Under tiles)	± 2,0		
	Maximum width			Minimum width	
	-	-	-		
Impermeabilty		Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	EN 1024		
Category 1	X			Test method 1	X
Category 2				Test method 2	
Frost resistance. Méthode E		Camber/Twisté (%)	EN 538		
Level 1 (n° cycles passed without damages ≥ 30)				L > 300 mm	± 1,5
Level 2 (n° cycles passed without damages ≥ 90)				L ≤ 300 mm	± 2,0
Level 3 (n° cycles passed without damages ≥ 150)	X				
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02		Impermeability (cm ³ /cm ² /day)	EN 539-1		
	SI			NO	Mean value
Impermeability (D.2 RP 34.02)				X	Individual value
Frost Resistance(D.3 RP 34 02)				X	Mean value
			Individual value		
			D.2 RP 34.02		
			N/A		
			N/A		
			EN 538		
			≥ 1200		
			EN 539-2 (Method E)		
			≥ 150		
			D.3 RP 34.02		
			N/A		
			EN 13501-1		
			A1		
			EN 13501-5		
			Broof		
TILE SKETCH		Additional information given by the manufacturer (1)			
		Unitary mass (gr): 3800			
		Roof tiles number in m2 (with one decimal): 12			
		Lenght distance between battens (cm): 38,5			
		Surface finish: ENVEJECIDA,EXTREMEÑA,RIAÑO,MARRON,ELEGANCE ,GARONNE,CREMA, NUMANCIA,etc			
		Mass coloration: ROJO - MARRON			
		Fixing types: TACON DE FIJACION / PRE-ORIFICIO DE CLAVADO			
		Further information:			
		Piece without water repellent treatment			
		Accessoires:			
		REMATE LATERAL DERECHO E IZQUIERDO, LATERAL UNIVERSAL, MEDIA TEJA, TEJA DE VENTILACION, TEJA EVACUADORA, CHIMENEA, CUMBRERA, CUMBRERA TRES VIAS, FINAL DE CUMBRERA, CUÑA, ETC.			

Water repellent treatment if is requested