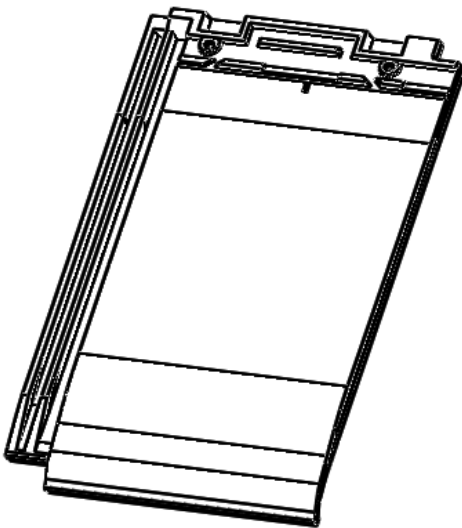


CLAY ROOFING TILES AND FITTINGS

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	Width											
Individuals	X	447	255										
Overlap				Length tolerance (%)				± 2,0					
Over and Under Tiles				Width tolerance (%)				± 2,0					
	Maximum width		Minimum width		(not applicable in Over and Under tiles)								
-				-									
Impermeabilty				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)		EN 1024			≤ 15				
Category 1		X	Test method 1							X			
Category 2			Test method 2										
Frost resistance. Méthode E				Camber/Twisté (%)	L > 300 mm				≤ 1,5				
Level 1 (n° cycles passed without damages ≥ 30)					L ≤ 300 mm				≤ 2,0				
Level 2 (n° cycles passed without damages ≥ 90)													
Level 3 (n° cycles passed without damages ≥ 150)								X					
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02													
		SI	NO		Impermeability (cm ³ /cm ² /day)				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
TILE SKETCH				Mean value		D.2 RP 34.02		N/A					
				Individual value		N/A		N/A					
				Flexural strenght (N)				EN 538		≥ 1200			
				Frost resistance (cycles) (ciclos)				EN 539-2 (Method E)		≥ 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 (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.