

AENOR

AENOR Product Certificate Clay products for construction



034/001986

AENOR certifies that the organization

BMI ROOFING SYSTEMS, S.L.U.

registered office CR VILLALUENGA A COBEJA, KM 3,5 45520 VILLALUENGA DE LA SAGRA
(Toledo - España)

supplies Clay roofing tiles and fittings

in compliance with UNE-EN 1304:2014 (EN 1304:2013)

Nº Technical Form 2050214 (see annex)

Production site Polígono Industrial EL MURGÓN III FASE CL TONELEROS, 2 02640
ALMANSA (Albacete - España)

Certification scheme This Certificate has been granted in accordance with the stipulations of the
Specific Rules RP 034.02

This certificate supersedes 034/001986, dated 2019-11-18

First issued on 2019-11-18
Modified on 2020-09-02
Validity date 2025-09-02



Rafael GARCÍA MEIRO
Chief Executive Officer


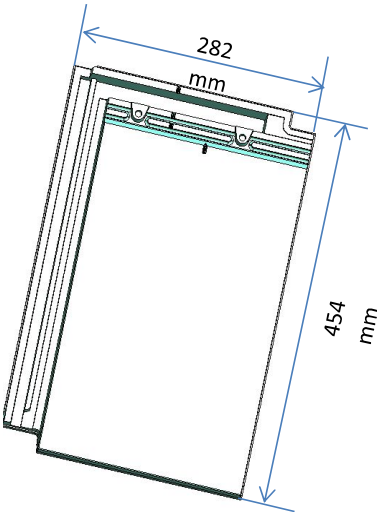
Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.
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Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 1/C-PR271

AENOR MARK FOR CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°: 2050214

Stamp and signature:	MANUFACTURER	BMI ROOFING SYSTEMS, S.L.U.			AENOR  Certified Product						
	MADE IN:	ALMANSA (ALBACETE)									
	TILE DESCRIPTION:	PLAIN CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304									
	BRAND NAME:	LÓGICA PLANA									
PRODUCT TECHNICAL CHARACTERISTICS											
MANUFACTURER GUARANTEED VALUES					AENOR REQUIRED VALUES						
REQUIRED											
Nominal dimensions (mm)				Structural characteristics (% faults)	ISO 2859-1	LCA 2,5 (I)	LCA 2,5 (I)				
		Length	Width								
Individuals	X	454	282								
Overlap											
Over and Under Tiles				Length tolerance (%)			± 2,0	± 2,0			
		Maximum width	Minimum width	Width tolerance (%) (not applicable in Over and Under)			± 2,0	± 2,0			
		-	-								
Impermeability				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)							
Category 1	X	Test method 1		EN 1024			N/A	N/A			
Category 2		Test method 2									
			X								
Frost resistance				Camber/Twist (%)							
Level 1 (n° cycles without damages ≥ 150)							≤ 1,5	≤ 1,5			
Level 2 (n° cycles without damages ≥ 90)		X									
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02											
		YES	NO	Impermeability			Mean Value				
Impermeability (D.2 RP 34.02)		X					Individual Value	EN 539-1		≤ 0,8	≤ 0,8
Frost Resistance (D.3 RP 34.02)		X					Mean Value	D.2 RP 34.02		≤ 0,85	≤ 0,85
				Individual Value	≤ 0,3	≤ 0,3					
TILE SKETCH				Flexural strenght (N)			EN 538	≥ 900	≥ 900		
				Frost resistance (cycles)			EN 539-2	≥ 150	≥ 150		
							D.3 RP 34.02	≥ 100	≥ 100		
				Fire reaction performance			EN 13501-1	A1	A1		
				External fire performance			EN 13501-5	Broof	Broof		
Additional information given by the manufacturer ⁽¹⁾											
Unitary mass (in grams):				4100							
Roof tiles number in m ² (with one decimal):				11							
Length distance between battens (cm):				32 - 37,5							
Surface finish:		Engobes. See last edition of producer's catalogue									
Mass coloration:		Red/Brown									
Fixing types:		Nail fixing, hook (batten), mortar, etc.									
Accessories:				Installation recommended: Guidance of design & execution of roofs with clay roofing tiles. Available in www.bmigroup.com/es Minimum installation pitch for Europe: 25% / 14° : 320 mm 37% / 20° : 355 mm 47% / 25° : 375 mm Broken bond It's recommended in all cases waterproof underlay For further information please contact with our BMIExpert Technical Department							
Universal Ridge, Universal 3 Ridge Junction, Universal Hip End, Universal End Cap for Ridges, Angular Ridge, Angular 3 Ridge Junction, Angular Hip End, Angular End Cap for Ridges, Angular Verge, Right Verge, Left Verge, Ventilation Tile, Lanterne Base Tile, Lanterne, Half Tile, Eave Tile, Double interlocking Tile, Double interlocking Half Tile											

Construction details where the material named in this technical form have been placed: (For the final qualification, this technical form shall be stamped and signed by the manufacturer)

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

Water repellent treatment if is requested

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 Modified on: 2020-09-02
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R-DTC-076.05