

# AENOR

## AENOR Product Certificate Clay products for construction



**034/001912**

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 2040205 (see annex)

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

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

This certificate supersedes 034/001912, dated 2017-11-20

First issued on 2015-02-27  
Modified on 2018-04-06  
Validity date 2023-04-06

Rafael GARCÍA MEIRO  
Chief Executive Officer


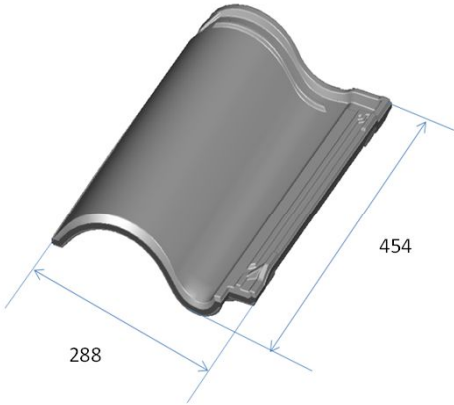
Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.  
Génova, 6. 28004 Madrid. España  
Tel. 91 432 60 00.- www.aenor.com

Product certification body accredited by ENAC, number 01/C-PR271

## AENOR MARK FOR CLAY ROOFING TILES AND FITTINGS

### TECHNICAL FORM N°: 2040205

Stamp and signature:	MANUFACTURER	BMI ROOFING SYSTEMS, S.L.U.					
	MADE IN:	VILLALUENGA DE LA SAGRA, TOLEDO (ESPAÑA)					
	TILE DESCRIPTION:	CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304					
	BRAND NAME:	TEJA DUNA					
<b>PRODUCT TECHNICAL CHARACTERISTICS</b>							
<b>MANUFACTURER GUARANTEED VALUES</b>					<b>AENOR REQUIRED VALUES</b>		
<b>REQUIRED</b>							
<b>Nominal dimensions (mm)</b>				Structural characteristics (% faults)	ISO 2859-1	LCA 2,5 (I)	LCA 2,5 (I)
		Length	Width	Length tolerance (%)	EN 1024	± 2,0	± 2,0
Individuals	X	454	288				
<b>Over and Under Tiles</b>				Width tolerance (%)	EN 1024	± 2,0	± 2,0
		Maximum width	Minimum width	(not applicable in Over and Under)			
<b>Impermeability</b>				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)	EN 1024	N/A	N/A
Category 1	X	Test method 1					
Category 2		Test method 2					
<b>Frost resistance</b>				Camber/Twist (%)	EN 1024	≤ 1,5	≤ 1,5
Level 1 (n° cycles without damages ≥ 150)		X					
Level 2 (n° cycles without damages ≥ 90)							
<b>OPTIONAL CHARACTERISTICS ANNEX D RP 34.02</b>							
		YES	NO	Impermeability	EN 539-1	≤ 0,8	≤ 0,8
Impermeability (D.2 RP 34.02)		X					
Frost Resistance (D.3 RP 34.02)		X					
<b>TILE SKETCH</b>							
				Mean Value	EN 539-1	≤ 0,8	≤ 0,8
				Individual Value			
				Mean Value	D.2 RP 34.02	≤ 0,3	≤ 0,3
				Individual Value			
				Flexural strength (N)	EN 538	≥ 1200	≥ 1200
				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
<b>Additional information given by the manufacturer<sup>(1)</sup></b>							
Unitary mass (in grams):				3900			
Roof tiles number in m <sup>2</sup> (with one decimal):				10,5			
Length distance between battens (cm):				39,7			
Surface finish:		See last edition of producer's catalogue					
Mass coloration:		Red (Brown, to consult availability)					
Fixing types:		Nail fixing, hook (batten), mortar, etc.					
Further information:		Nail fixing, hook (batten), mortar, etc.					
<b>Accessories:</b>							
Ridge*, Wedge, Junction 3 way ridge, Ridge end cap, Hip end, Right rake verge, Left rake verge, Angle verge, Half tile, Ventilation tile, Through tile & ornamental piece and Pinnacle. * Items produced in the same factory, the rest are made in other factories with AENOR Certificate							

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