

AENOR

AENOR Product Certificate Clay products for construction



034/001913

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 2040206 (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 034/001913, 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°: 2040206

Stamp and signature:	MANUFACTURER	BMI ROOFING SYSTEMS, S.L.U.																				
	MADE IN:	VILLALUENGA DE LA SAGRA, TOLEDO (ESPAÑA)																				
	TILE DESCRIPTION:	PLAIN CLAY ROOF TILE WITH SIDELOCK AND HEADLOCK EN 1304																				
	BRAND NAME:	MARSELLA COLLADO																				
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	432	262	Length tolerance (%)	EN 1024	± 2,0	± 2,0															
Overlap				Width tolerance (%) (not applicable in Over and Under)		± 2,0	± 2,0															
Over and Under Tiles				Uniformity of the transverse profile (mm) (Only for Over and Under Tiles)																		
		Maximum width	Minimum width																			
		-	-																			
Impermeability				EN 539-1																		
Category 1	X	Test method 1					N/A	N/A														
Category 2		Test method 2	X																			
Frost resistance				EN 539-1																		
Level 1 (n° cycles without damages ≥ 150)		X					≤ 1,5	≤ 1,5														
Level 2 (n° cycles without damages ≥ 90)																						
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02																						
		YES	NO																			
Impermeability (D.2 RP 34.02)		X																				
Frost Resistance (D.3 RP 34.02)		X																				
TILE SKETCH																						
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">Impermeability</td> <td style="text-align: center;">Mean Value</td> <td style="text-align: center;">EN 539-1</td> <td style="text-align: center;">≤ 0,8</td> <td style="text-align: center;">≤ 0,8</td> </tr> <tr> <td style="text-align: center;">Individual Value</td> <td></td> <td style="text-align: center;">≤ 0,85</td> <td style="text-align: center;">≤ 0,85</td> </tr> <tr> <td style="text-align: center;">Mean Value</td> <td style="text-align: center;">D.2 RP 34.02</td> <td style="text-align: center;">≤ 0,3</td> <td style="text-align: center;">≤ 0,3</td> </tr> <tr> <td style="text-align: center;">Individual Value</td> <td></td> <td style="text-align: center;">≤ 0,4</td> <td style="text-align: center;">≤ 0,4</td> </tr> </table>		Impermeability	Mean Value	EN 539-1	≤ 0,8	≤ 0,8	Individual Value		≤ 0,85	≤ 0,85	Mean Value	D.2 RP 34.02	≤ 0,3	≤ 0,3	Individual Value		≤ 0,4	≤ 0,4
Impermeability	Mean Value	EN 539-1	≤ 0,8	≤ 0,8																		
	Individual Value		≤ 0,85	≤ 0,85																		
	Mean Value	D.2 RP 34.02	≤ 0,3	≤ 0,3																		
	Individual Value		≤ 0,4	≤ 0,4																		
				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):				3300																		
Roof tiles number in m ² (with one decimal):				12,0 - 13,5																		
Length distance between battens (cm):				33 - 37																		
Surface finish:		See last edition of producer's catalogue																				
Mass coloration:		Red																				
Fixing types:		Nail fixing, hook (batten), mortar, etc.																				
Further information:		Installation recommended: Guidance of design & execution of roofs with clay roofing tiles. Available in www.tejascobert.com																				
Accessories:																						
Ridge, Hip end, Ventilation tile, Lanterne base tile, Lanterne, Cap, 3 ridge junction, Angle verge .																						

⁽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

AENOR