

Certificado AENOR de Producto

Materiales de arcilla cocida para construcción



034/001710

AENOR, Asociación Española de Normalización y Certificación, certifica que la organización

TEJAS BORJA, S.A.

con domicilio social en: CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - ESPAÑA)

suministra: Tejas y piezas auxiliares de arcilla cocida

Nº Ficha Técnica: 0240222 (ver anexo)

elaboradas en: CR LLIRIA A PEDRALBA KM 3 46160 LLIRIA (Valencia - ESPAÑA)

conformes con: UNE-EN 1304:2006 (EN 1304:2005)

Sistema de certificación: Este certificado se ha concedido de acuerdo con lo establecido en el Reglamento Particular de Certificación de AENOR RP 34.02

Fecha de emisión: 2010-07-06

Fecha de expiración: 2015-07-06

AENOR

Asociación Española de
Normalización y Certificación

El Director General de AENOR

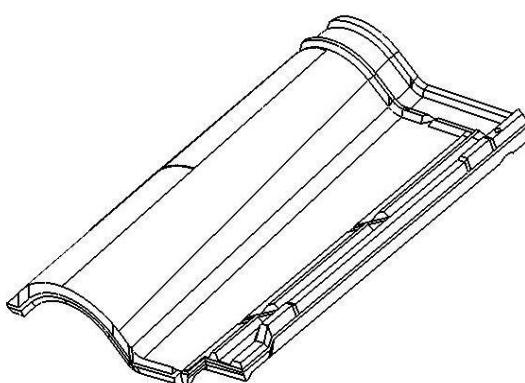
AENOR

Asociación Española de
Normalización y Certificación

Génova, 6. 28004 Madrid. España
Tel. 902 102 201 - www.aenor.es

AENOR TRADE MARK FOR CLAY ROOFING TILES AND FITTINGS

TECHNICAL FORM N°: 0240222

MANUFACTURER:	TEJAS BORJA, S.A.			AENOR  Producto Certificado									
MADE IN:	LLIRIA (VALENCIA)												
TILE DESCRIPTION:	TEJA CON ENCAJE LATERAL Y ENCAJE DE CABEZA UNE EN 1304												
BRAND NAME:	TB-12 ESMALTADA												
STATED CHARACTERISTICS		VALUES RULES FROM AENOR											
REQUIRED													
Nominal dimensions (mm)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Structural faults (% faults)</td> <td style="width: 20%;">EN 1304</td> <td style="width: 50%; text-align: center;">≤ 2,5</td> </tr> </table>			Structural faults (% faults)	EN 1304	≤ 2,5						
Structural faults (% faults)	EN 1304				≤ 2,5								
Individuals	X	Length	439	Width	260								
Overlap													
Over and Under Tiles		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Length tolerance (%)</td> <td style="width: 20%;"></td> <td style="width: 50%; text-align: center;">± 2,0</td> </tr> <tr> <td>Width tolerance (%)</td> <td></td> <td style="text-align: center;">± 2,0</td> </tr> <tr> <td colspan="3" style="font-size: small;">(not applicable in Over and Under tiles)</td> </tr> </table>			Length tolerance (%)		± 2,0	Width tolerance (%)		± 2,0	(not applicable in Over and Under tiles)		
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Impermeability		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Uniformity of the transverse profile (mm)</td> <td style="width: 20%;">EN 1024</td> <td style="width: 50%; text-align: center;">≤ 15</td> </tr> <tr> <td colspan="3" style="font-size: small;">(Only for Over and Under Tiles)</td> </tr> </table>			Uniformity of the transverse profile (mm)	EN 1024	≤ 15	(Only for Over and Under Tiles)					
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Frost resistance. Method E		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Camber/Twist (%)</td> <td style="width: 20%;">L > 300 mm</td> <td style="width: 50%; text-align: center;">≤ 1,5</td> </tr> <tr> <td></td> <td>L ≤ 300 mm</td> <td style="text-align: center;">≤ 2,0</td> </tr> </table>			Camber/Twist (%)	L > 300 mm	≤ 1,5		L ≤ 300 mm	≤ 2,0			
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Level 1 / n° cycles passed without damages ≥ 30)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Impermeability (cm³/cm²/día)</td> <td style="width: 20%;">EN 539-1</td> <td style="width: 50%; text-align: center;">≤ 0,5</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">≤ 0,6</td> </tr> </table>			Impermeability (cm³/cm²/día)	EN 539-1	≤ 0,5			≤ 0,6			
Impermeability (cm³/cm²/día)	EN 539-1				≤ 0,5								
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Level 2 / n° cycles passed without damages ≥ 90)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Mean value</td> <td style="width: 20%;">EN 539-1</td> <td style="width: 50%; text-align: center;">≤ 0,5</td> </tr> <tr> <td>Individual value</td> <td></td> <td style="text-align: center;">≤ 0,6</td> </tr> </table>			Mean value	EN 539-1	≤ 0,5	Individual value		≤ 0,6			
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Individual value		≤ 0,6											
Level 3 / n° cycles passed without damages ≥ 150)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Mean value</td> <td style="width: 20%;">D.2 RP 34.02</td> <td style="width: 50%; text-align: center;">N/A</td> </tr> <tr> <td>Individual value</td> <td></td> <td style="text-align: center;">N/A</td> </tr> </table>			Mean value	D.2 RP 34.02	N/A	Individual value		N/A			
Mean value	D.2 RP 34.02				N/A								
Individual value		N/A											
OPTIONAL CHARACTERISTICS ANNEX D RP 34 02		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Flexural strenght (N)</td> <td style="width: 20%;">EN 538</td> <td style="width: 50%; text-align: center;">≥ 1200</td> </tr> <tr> <td>Frost resistance (cycles)</td> <td>EN 539-2 (Method E)</td> <td style="text-align: center;">≥ 150</td> </tr> <tr> <td></td> <td>D.3 RP 34.02</td> <td style="text-align: center;">N/A</td> </tr> </table>			Flexural strenght (N)	EN 538	≥ 1200	Frost resistance (cycles)	EN 539-2 (Method E)	≥ 150		D.3 RP 34.02	N/A
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Fire reaction performance</td> <td style="width: 20%;">EN 13501-1</td> <td style="width: 50%; text-align: center;">A1</td> </tr> <tr> <td>External fire performance</td> <td>EN 13501-5</td> <td style="text-align: center;">Broof</td> </tr> </table>			Fire reaction performance	EN 13501-1	A1	External fire performance	EN 13501-5	Broof			
Fire reaction performance	EN 13501-1				A1								
External fire performance	EN 13501-5	Broof											
TILE SKETCH		Additional information given by the manufacturer ⁽¹⁾											
		Unitary mass (in grams): 3150											
		Roof tiles number in m² (with one decimal): 12,5											
		Length distance between battens (cm): 37,5											
		Surface finish: GLAZED. In different colours according to brochure											
		Mass coloration:											
		Fixing types: Nail and tie											
		Further information: Assembly according to UNE 136020											
		Piece without water repellent treatment											
		Accessories:											
		Circular Ridge, End Circular Ridge, Curve End Cap, End Cap, Under ridge, Three way ridge, Four way ridge, Angular edge, Straight left edge, Straight right edge, Half roof tile TB-12, Ventilation roof tile TB-12, , Carrier for chimney TB-12, Chimney TB-12, Curved left edge, Curved right edge, Ventilation Cap, Double roof tile for right edge TB-12, , 2/3 roof tile TB-12, Bottom Decocurva TB-12, Top Decocurva TB-12, Corner for Decocurva, Curved ridge cover+, End Curved ridge cover+, Curved end cap cover+, 2 way ridge cover+, 3 way curved ridge cover+, 4 way curved ridge cover+, End cap cover+, , TB-12 Birds barrier.											

(1) AENOR is not responsible for the information in this square, the responsibility is exclusively and only for the manufacturer's.