

AENOR

AENOR Product Certificate Clay products for construction



034/000988

AENOR certifies that the organization

CERAMICA MALPESA, S.A.

registered office AUTOVIA A-4, KM 303 23730 VILLANUEVA DE LA REINA (Jaen - España)

supplies Clay pavers

in compliance with UNE-EN 1344:2015 (EN 1344:2013; EN 1344:2013/AC:2015)

Nº Technical Form 0831202 (see annex)

Production site AUTOVIA A-4, KM 303 23730 VILLANUEVA DE LA REINA (Jaen - España)

Certification scheme This Certificate has been granted in accordance with the stipulations of the Specific Rules RP 34.12

This certificate supersedes 034/000988, dated 2017-07-17

First issued on 2009-05-26

Modified on 2018-11-28

Validity date 2023-11-28



Rafael GARCÍA MEIRO
Chief Executive Officer


Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.
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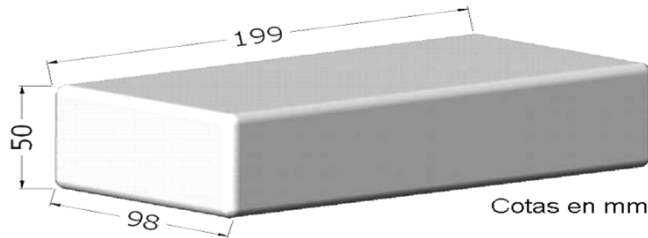
Product certification body accredited by ENAC, number 01/C-PR271

AENOR TRADE MARK FOR CLAY PAVERS AND ACCESORIES

TECHNICAL FORM: 0831202

MANUFACTURER:	CERÁMICA MALPESA S.A.	AENOR  Certified Product
MADE IN:	VILLANUEVA DE LA REINA (JAÉN)	
PRODUCT DESCRIPTION:	CLAY PAVER of 199 x 98 x 50 EN 1344	
BRAND NAME:	RED, NUTBROWN, BROWN, BLACK	
INTENDED USES:	Clay pavers for Flexible/Rigid laid paving of Internal floorings/External coverings/Roof coverings. Suitable for vehicular circulation areas	

PIECE SKETCH



TECHNICAL CHARACTERISTICS

Characteristic	Test method	REQUIRED VALUES															
		Manufacturer ensured values	AENOR required values	EN 1344													
Work dimensions	l/t thickness (mm)	<table border="1"> <tr> <td>≤ 4</td> <td>≤ 6</td> <td>≤ 6</td> </tr> <tr> <td>≥ 50</td> <td>≥ 40</td> <td>≥ 40</td> </tr> </table>			≤ 4	≤ 6	≤ 6	≥ 50	≥ 40	≥ 40							
		≤ 4	≤ 6	≤ 6													
≥ 50	≥ 40	≥ 40															
Dimensional tolerances (mm)	Deviation (d)	<table border="1"> <tr> <td>l (mm)</td> <td>± 4</td> <td>± 4</td> <td>± 6</td> </tr> <tr> <td>w (mm)</td> <td>± 3</td> <td>± 3</td> <td>± 4</td> </tr> <tr> <td>t (mm)</td> <td>± 2</td> <td>± 2</td> <td>± 3</td> </tr> </table>			l (mm)	± 4	± 4	± 6	w (mm)	± 3	± 3	± 4	t (mm)	± 2	± 2	± 3	
		l (mm)	± 4	± 4	± 6												
		w (mm)	± 3	± 3	± 4												
	t (mm)	± 2	± 2	± 3													
	Range	<table border="1"> <tr> <td>Class Rm (≤ 7)</td> <td>Class Rm (≤ 7)</td> <td>Class R1(≤ 8)</td> </tr> <tr> <td>Class Rm (≤ 5)</td> <td>Class Rm (≤ 5)</td> <td>Class R1(≤ 6)</td> </tr> <tr> <td>Class Rm (≤ 4)</td> <td>Class Rm (≤ 4)</td> <td>Class R1(≤ 4)</td> </tr> </table>			Class Rm (≤ 7)	Class Rm (≤ 7)	Class R1(≤ 8)	Class Rm (≤ 5)	Class Rm (≤ 5)	Class R1(≤ 6)	Class Rm (≤ 4)	Class Rm (≤ 4)	Class R1(≤ 4)				
		Class Rm (≤ 7)	Class Rm (≤ 7)	Class R1(≤ 8)													
Class Rm (≤ 5)		Class Rm (≤ 5)	Class R1(≤ 6)														
Class Rm (≤ 4)	Class Rm (≤ 4)	Class R1(≤ 4)															
Freeze/thaw resistance	Class FP100	Annex C EN 1344	Resistent														
Transverse breaking load (N/mm)	Class T4	Annex D EN 1344	<table border="1"> <tr> <td>Mean value</td> <td>≥ 80</td> <td>Minimum value</td> <td>≥ 64</td> </tr> </table>	Mean value	≥ 80	Minimum value	≥ 64	<table border="1"> <tr> <td>Mean value</td> <td>≥ 80</td> <td>Minimum value</td> <td>≥ 64</td> </tr> </table>	Mean value	≥ 80	Minimum value	≥ 64	<table border="1"> <tr> <td>Mean value</td> <td>≥ 80</td> <td>Minimum value</td> <td>≥ 64</td> </tr> </table>	Mean value	≥ 80	Minimum value	≥ 64
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Abrasion resistance (mean abraded volumen in mm ³)	Class A3	Annex E EN 1344	≤ 450														
Slip/skip resistance (USRV value)	Class U3	4.2.5.2 EN 1344 Annex C CEN/TS 16165	≥ 55														
Acid resistance (% loss in mass)	Class C	Annex F EN 1344	≤ 7														
Thermal conductivity	Clay paver density (kg/m ³)	EN 772-13	2370 ± 10 %														
	λ _{10,dry} [W/(m·K)] (P=50%)	Table A.1 EN 1745	0,76														
Chamfer > 7 mm			Yes		No	X											
Post firing chemical treatment			Yes		No	X											
Reaction to fire			Class A1 _{FL} , without test														
External fire performance			Class B _{ROOF} , without test														

Accessory units:

Diferent types of accesories are made

Remarks:

Details from the construction where it's placed the material named in this technical form: (For the final qualification, this technical form should be stamped and signed by the manufacturer)

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