AENOR Product Certificate

034/001887

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)
N° Technical Form	0831205 (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 034.12
First issued on	2015-01-26
Last issued on	2022-07-17
Validity date	2027-07-17

Rafael GARCÍA MEIRO
Chief Executive Officer

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

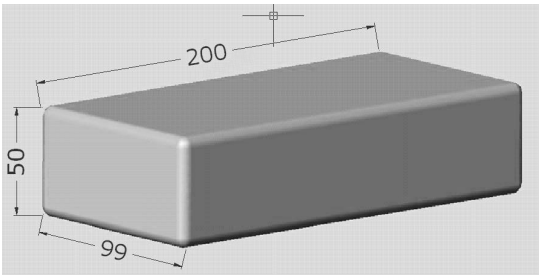
AENOR TRADE MARK FOR CLAY PAVERS AND ACCESORIES
TECHNICAL FORM: 0831205

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)

Stamp and signature:

MANUFACTURER:	**CERÁMICA MALPESA S.A.**
MADE IN:	**VILLANUEVA DE LA REINA (JAÉN)**
PRODUCT DESCRIPTION:	**CLAY PAVER of 200 x 99 x 50 EN 1344**
BRAND NAME:	**ALBERO, MAESTRANZA, OAK, AMBER, CAMEL, TERRACOTTA**
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		Annex B EN 1344	≤ 4	≤ 6	≤ 6
	thickness (mm)			≥ 50	≥ 40	≥ 40
Dimensional tolerances (mm)	Deviation (d)	l (mm)		± 4	± 4	± 6
		w (mm)		± 3	± 3	± 4
		t (mm)		± 2	± 2	± 3
	Range	l (mm)		Class Rm (≤ 7)	Class Rm (≤ 7)	Class R1(≤ 8)
		w (mm)		Class Rm (≤ 5)	Class Rm (≤ 5)	Class R1(≤ 6)
		t (mm)		Class Rm (≤ 4)	Class Rm (≤ 4)	Class R1(≤ 4)
Freeze/thaw resistance		Class FP100	Annex C EN 1344	Resistent	Resistent	
Transverse breaking load (N/mm)		Class T4	Annex D EN 1344	Mean value ≥ 80 Minimum value ≥ 64	Mean value ≥ 80 Minimum value ≥ 64	Mean value ≥ 80 Minimum value ≥ 64
Abrasion resistance (mean abraded volumen in mm^3)		Class A3	Annex E EN 1344	≤ 450		
Slip/skip resistance (USRV value)		Class U2	4.2.5.2 EN 1344 Annex C CEN/TS 16165	≥ 45		
Acid resistance (% loss in mass)		Class C	Annex F EN 1344	≤ 7		
Thermal conductivity	Clay paver density (kg/m^3)		EN 772-13	2230 ± 10 %		N/A
	$\lambda_{10,dry}$ [W/(m•K)] (P=50%)		Table A.1 EN 1745	0,68		
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: