

# AENOR

## AENOR Product Certificate Clay products for construction



034/000993

AENOR certifies that the organization

**PROCERAN, S.A.**

registered office CR MONTORO-PUENTEGENIL, Km. 85 14920 AGUILAR DE LA FRONTERA  
(Cordoba - España)

supplies P Units for protected masonry

in compliance with UNE-EN 771-1:2011+A1:2016 (EN 771-1:2011+A1:2015)

N° Technical Form 0461403 (see annex)

Production site CR MONTORO-PUENTEGENIL, Km. 85 14920 AGUILAR DE LA FRONTERA  
(Cordoba - España)

Certification scheme This Certificate has been granted in accordance with the stipulations of the  
Specific Rules RP 034.14

This certificate supersedes 034/000993, dated 2019-12-19

First issued on 2009-06-01  
Modified on 2020-02-04  
Validity date 2025-02-04



Rafael GARCÍA MEIRO  
Chief Executive Officer

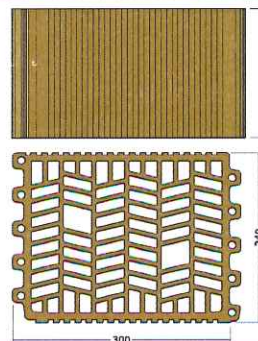
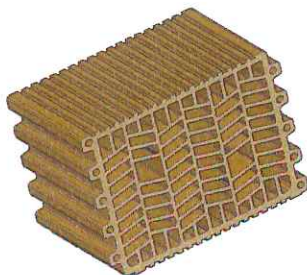
Original Electronic Certificate

**P UNITS FOR PROTECTED MASONRY**  
**TECHNICAL FORM: 0461403**

MANUFACTURER - MADE IN: PROCERAN, S.A. - AGUILAR DE LA FRONTERA (CÓRDOBA)  
 PRODUCT DESCRIPTION: LIGHTENED (G3) P UNIT CAT I R-10,0 of 300 x 240 x 190  
 DESIGNATION CODE: CL - P - I - 10 - 730(D1) - 300x240x190 - A - L0,550 - E(4,4,4) - N1630(D1) - G3 - FR53 - B0,15 - I≤4,5 - M≤0,75  
 BRAND NAME: TERMOARCILLA DE 24  
 INTENDED USES: EXTERNAL/INTERNAL ELEMENTS WITH ACOUSTIC, THERMAL INSULATION AND FIRE REQUIREMENTS; STRUCTURAL MASONRY SUSTAINING; COMMON LAYER MORTAR



**PIECE SKETCH**



**TECHNICAL CHARACTERISTICS**

Characteristic		Test method	Manufacturer ensured values	AENOR required values	
Appearance and structure	exfoliations and stratifications	Visual over 6 pieces	None		
	cracked units		≤ 2 unit of 6	≤ 2 unit of 6	
	chip units		≤ 1 unit of 6	≤ 1 unit of 6	
Dimensional tolerances (mm)	Mean value	UNE 67039 EX	Chips in perforated faces with mean dimension < 15 mm		
			length (l)	± 7	± 7
	width (w)		± 6	± 6	
	height (h)		± 6	± 6	
	Range		length (l)	± 10	± 10
			width (w)	± 9	± 9
height (h)	± 8	± 8			
Wall thickness (mm)	protected face shells	EN 772-16	≥ 6,0	≥ 6,0	
	webs		≥ 3,0	≥ 3,0	
Plane parallelism of bed faces (mm)			N/A		
Flatness of bed faces (mm)	Diagonals	EN 772-20	l > 300 mm	≤ 4,0	
			300 ≥ l ≥ 250 mm	≤ 4,0	
			l ≤ 250 mm	≤ 4,0	
Percentage of voids (%)		EN 772-3	53	> 25; ≤ 60	
Tolerance (%)			Min: 48 - Máx: 58		
Volume of the largest void (% of (l x w x h))		EN 772-3/9/16	≤ 12,5	≤ 12,5	
Combined thickness of webs and shells (%)		EN 772-16	≥ 20	≥ 20	
Initial rate of water absorption (Kg/(m <sup>2</sup> x min))		EN 772-11	≤ 4,5	≤ 4,5	
Characteristic normalized compressive strength (N/mm <sup>2</sup> )		EN 772-1	≥ 10,0 Orientation loading: Bed	≥ 10,0	
Density	Gross dry (Kg/m <sup>3</sup> )	EN 772-13	1.630		
	Net dry (Kg/m <sup>3</sup> )		730		
	Tolerance (%)		D1	D1 (± 10%)	
Weight (g)		Annex D RP 34.14	Minimum value ensured: 9.500		
Durability (Freeze/thaw)		UNE 67028 EX	F0		
Thermal properties (Method)		Catalog CTE	Constructive Elemens Catalog Value		
λ <sub>piece</sub> (W/m x k)			0,550		
R <sub>wall</sub> (m <sup>2</sup> x k/w)			0,570		
Water vapour permeability - μ		EN 1745	5/10		
Content of active soluble salts		EN 772-5	S0		
Moisture movement (mm/m)		UNE 67036	0,8		
Fire reaction		EN 13501-1	A1		
Bond strength (N/mm <sup>2</sup> )		-----	0,15		
Accessory units			YES		
Remarks:					

Stamp and signature of PROCERAN S.A. Ctra. de Montoro-Puerto Real Km. 35 14920 Aguilar de la Frontera (Córdoba) Tel: 97 1 98 8 88 88 fax: 957 688 891 C.I.F. A72330205

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)

Combined thickness declared corresponding at heat flow direction in the masonry  
 SPECIAL PARTS: 24 SPRING, 24 REMOTE, 24 MEDIUM TERMINATION, 24 WHOLE TERMINATION, 24 LARGE CORNER, 24 MODULATION, ZUNCHO 10, ZUNCHO 12, ZUNCHO 14, ZUNCHO 17, ZUNCHO 19, ZUNCHO OF 24, ZUNCHO OF 29, BLOCK OF 10, PACKING BLOCK OF 4,5, CORNER OF 24 SMALL, CORNER CORNER OF 24.

