



**CHARACTERISTICS PORCELAIN (Group BIa)**

Edición 2

DATE: 25/11/2020

**MODEL:**

**LAMA PINO NATURAL 1ª**  
SIZE 20x120

**SERIE** **LAMA**  
**CODE** FG2021002

**1.-CLASIFICATION (UNE-EN 14411).**  
Dry Pressed Ceramics Tiles with low water absorption - Group BIa , E ≤ 0,5% for internal and external floors and walls.

**2.-SPECIFICATIONS (UNE-EN 14.411 - ISO13.006)**

REQUIREMENTS	STANDARD APPLIED	REQUERIMENTS STANDARD	TEST RESULTS
Dimensions and Surface Quality	ISO 10545-2	---	PASS
Water Absorption	ISO 10545-3	E 0,5 %	PASS
Modulus of Rupture	ISO 10545-4	35 N/mm <sup>2</sup>	PASS
MOHS	EN 101	(*)	6
Crazing Resistance	ISO 10545-11	(*)	PASS
Resistance to chemicals	ISO 10545-13		
- Household chemicals: Ammonium chloride solution 100 g/l		Min B	A
- Swimming pool salts: Sodium Hypochlorite solution 20 mg/l		Min B	A
- Acids and alkalies:			
Low concentrations: Hydrochloric acid solution (3%)		(*)	LA
Citric acid solution 100 g/l		(*)	LA
Potassium hydroxide 30 g/l		(*)	LA
High concentrations: Hydrochloric acid solution (18%)		(*)	HA
Lactic acid solution (5%)		(*)	HA
Potassium hydroxide 100 g/l		(*)	HA
Resistance to staining:	ISO 10545-14		
Cr2O3/FE2O3 + light oil		Min 3	5
Abrasion Resistance (PEI):	ISO 10545-7	(*)	IV
Frost Resistance	ISO 10545-12	Required	PASS
Slip resistance	DIN 51130 ( R )	(*)	
	ANSI 137.1 (DCOF)	(*)	
	UNE-ENV 12633(Class)	(*)	1

**3.-APPLICATION GROUPS**

According to its characteristics, Hijos de F. Gaya Fores, defines this model as group:

D

(\*) as manufacturer confirms

  
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1.- CLASSIFICATION. ISO 13006

Water abs. Production	Group I E ≤ 3 %	Group IIa 3 % < E ≤ 6 %	Group IIb 6 % < E ≤ 10 %	Group III E > 10 %
A Extruded	Group AIa E ≤ 0,5% (Annex M)	Group AIa-1 (Annex B)	Group AIb-1 (Annex D)	Group AIII (Annex F)
	Group AIb 0,5% < E ≤ 3% (Annex A)	Group AIa-2 (Annex C)	Group AIb-2 (Annex E)	
B Dry pressed	Group BIa E ≤ 0,5 % (Annex G)	Group BIIa (Annex J)	Group BIIb (Annex K)	Group BIII (Annex L)
	Group BIb 0,5 < E ≤ 3 % (Annex H)			

2.-CHARACTERISTICS

RESISTANCE TO	CLASS	MEANING
Stains	5	The stain is removed with hot water and a damp cloth
	4	The stain is removed with a weak cleaning agent.
	3	The stain is removed with mechanical cleaning and a strong cleaning agent
	2	The stain is removed with suitable solvent after immersion for 24 h.
	1	The stain is not removed
Household chemicals Swimming pool salts	GA(V)	Non Visible effect (if the hue becomes slightly different, this is
	GB(V)	Definite change in appearance
	GC(V)	Partial or complete loss of the original surface
Acids and alkalies		
	GLA(V)	Non Visible effect (if the hue becomes slightly different, this is
	GLB(V)	Definite change in appearance
	GLC(V)	Partial or complete loss of the original surface
	GHA(V)	Non Visible effect (if the hue becomes slightly different, this is
Low concentrations (L)	GHB(V)	Definite change in appearance
	GHC(V)	Partial or complete loss of the original surface
High concentrations (H)		

3.- APPLICATIONS GROUPS

- GROUP A.-** Recommended for moderate or low level transit. Suitable for bedrooms and/or bathrooms in houses (avoid any kind of abrasion).
- GROUP B.-** Suitable for light or medium transit, such as rooms inside houses, except for kitchens or areas with direct acces from outside.
- GROUP C.-** Floorings recommended for medium transit, suitable for hauses, allkind of rooms included kitchen or near to entrance areas.
- GROUP D.-** Flooring suitable for heavy traffic, such as entrances to houses with direct acces from the outside, all kind of rooms and professional offices.
- GROUP GRAN TRANSITO.-** Flooring suitable and recommended for very heavy traffic
- GROUP E.-** Flooring suitable only for OUTDOORS not roofed (with risk of presence of water). IT IS NEVER RECOMMENDED TO BE INSTALLED INDOORS.
- GROUP W.-** Tiles suitable only for laying in wall coverings.