



cerámicas calaf s/a

2010 General Catalogue



cerámicas calaf, s.a. was born out of a tradition of families of potters dating back to the beginning of twentieth century, became a company in 1966 and is now part of one of the most important group in Spain.

It has a long history of **manufacturing ceramic products for the building industry**, and throughout this period it has constantly reorganised and adapted its manufacturing processes to the latest technologies. It is itself a pioneer in research and applications from its current plant of over **20,000 square metres of new installations** and equipment.

The entire production of flooring is **mechanically extruded** and has a **rustic and traditional appearance of high quality**. Our specialities are **Stoneware** and **Terracotta** tiles, which are the most suitable for creating warm, welcoming and practical atmospheres.



Both lines are recommended as much for interiors and exteriors (floor surfaces in houses, gardens, swimming pools and pedestrianized areas).

The whole product range is in line with current constructional and ecological requirements, and exceeds the European quality standards covered by the **UNE set of standards**, the **CE marked** and the **ISO 9001:2008 certificate of quality**, realizing also periodic internal tests in own laboratory, and external tests in laboratories **APPLUS credited by ENAC**. At the field of the research it works constantly to optimize their installation and treatment, both in interiors and in exteriors.

The keen quality/price ratio means that our products are accessible to all types of works and budgets, coming to anywhere of the world and adapted to the real needs of every client, putting to his service all of our professional experience, which we have wanted to take form in this new catalogue.

Our Range:

- BARCELONA Series: ROSADO and CLARO

Fired clay tiles (**Terracotta**) born in the ancient Catalan tradition of terracotta, provide a high quality pavement made with natural components, indispensable for the creation of a warm, friendly and practical atmosphere.

Barcelona PLUS: total protector against damp (water-resistant pre-treatment), that eliminates the classical and annoying inconvenients of terracotta and that grants: greater speed of installation, total elimination of efflorescence, improvement of physical characteristics, easy of cleaning on site, immediate application of the anti-staining treatment and finishing waxes and it is a guarantee against frost.

Fruit of the research and the experience, they are the unglazed stoneware pavements (vitrified) made with finest clays, fired at over 1,100°C, giving them a specially decorative effect similar to terracotta:

- MONTSERRAT Series : BEIGE and ROJO

- CADI Series: NARANJA Liso and NARANJA Rústico

Stoneware pavements with a water absorption rate between 3-6%, preventing the appearance of damp and efflorescence, making the tiles easier to lay and ensuring rapid use and ensuring any application of treatment; with a high resistance to wear and tear (Mohs 7) and secure non-slip grip (Class 3). These pavements are resistant to frost, to chlorine-treated water and swimming pools and to seawater, to cleaning products (Class UA) and to acids and bases with weak concentration (Class ULA) and strong concentration (Class UHA). And they are provided with a treatment that protects them against the stains in general.

The range is completed by the following materials in both series:

- **New "PAVING STONES"** tile series (13x27x2.5 cm. and 27x27x2.5 cm.), technically designed to withstand extremely heavy loads when installed over poor flooring surfaces or sand and gravel bedding.

- **VENTILATED FAÇADE**, with a practical easy-to-assemble anchorage system

- **FLOATING PAVEMENT**, special for use on reserved roofs, 22.5 N/mm² resistance and maximum weight of 60 kilos per square meter.

They are natural materials transformed into an elegant, incredibly strong product, suitable for all purposes.

-DECORATION SERIES

With enamelled friezes for staircases and borders for decorating flooring and wall facings.

Data Sheet:

SPECIFICATIONS	STANDARD	BARCELONA SERIES		MONTSERRAT SERIES		CADI SERIES	
		ROSADO	CLARO	BEIGE	ROJO	NARANJA LISO	NARANJA RUSTICO
WATER ABSORPTION	UNE-EN ISO 10.545-3/97	11% (0,8% PLUS) E>10%	17% (0,8% PLUS) E>10%	4% 3%<E≤6%	4% 3%<E≤6%	5% 3%<E≤6%	5% 3%<E≤6%
MEASUREMENTS	UNE-EN ISO 10.545-2/98 (±2%)	PASS	PASS	PASS	PASS	PASS	PASS
FLATNESS	UNE-EN ISO 10.545-2/98 (±1,5%)	PASS	PASS	PASS	PASS	PASS	PASS
THERMAL SHOCK	UNE-EN ISO 10.545/9	PASS	PASS	PASS	PASS	PASS	PASS
LINEAR THERMAL EXPANSION	UNE-EN ISO 10.545-8/97	2,1x10 ⁻⁶ °C <10x10 ⁻⁶ °C	4,2x10 ⁻⁶ °C <10x10 ⁻⁶ °C	2,2x10 ⁻⁶ °C <3x10 ⁻⁶ °C (±3,7%)	2,3x10 ⁻⁶ °C <3x10 ⁻⁶ °C (±3,7%)	2,6x10 ⁻⁶ °C <3x10 ⁻⁶ °C (±3,7%)	2,6x10 ⁻⁶ °C <3x10 ⁻⁶ °C (±3,7%)
FLEXION RESISTANCE	UNE-EN ISO 10.545/4	16N/mm ² Min. ≥7N/mm ₂	13N/mm ² Min. ≥7N/mm ₂	23N/mm ² Min. ≥11N/mm ₂	21N/mm ² Min. ≥11N/mm ₂	23N/mm ² Min. ≥11N/mm ₂	23N/mm ² Min. ≥11N/mm ₂
SURFACE HARDNESS	UNE 67-101-92	Mohs 5	Mohs 3	Mohs 7	Mohs 7	Mohs 6	Mohs 6
ABRASION RESISTANCE	UNE-EN ISO 10.545/6	690mm ³ ≤2365mm ³	1758mm ³ ≤2365mm ³	330mm ³ ≤541mm ³	325mm ³ ≤541mm ³	409mm ³ ≤541mm ³	409mm ³ ≤541mm ³
CLEANING PRODUCTS RESISTANCE	UNE-EN ISO 10.545/13 (Min. UB)	UA	UA	UA	UA	UA	UA
SLIPPERINESS	UNE-EN ISO 12633:2003	45	63	48	46	45	45
FROST RESISTANCE	UNE-EN ISO 10.545/12	(PASS PLUS)	(PASS PLUS)	PASS	PASS	PASS	PASS