

Technical characteristics

TECHNICAL CHARACTERISTICS AND INTERNATIONAL STANDARDS

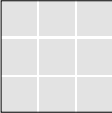
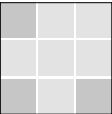


Our first choice porcelain tiles are compliant with ISO 13006 & ANSI A137.1 standard. They fall within the tolerances defined by the standard. The valuation of the appearance of the tiles shall be performed, as defined by the standard, placing tiles on a viewing board and examining it (perpendicularly) from a distance of at least 1 meter (3.3 feet). Defects of tiles can be of two types: noticeable (already visible before setting, such as color differences, surface defects, fractures, etc) or hidden (not visible before setting). Claims about noticeable defects may be made only before tiles are installed, allowing the manufacturer to replace any defective material. However, if the buyer or tile installer decides to proceed with installation, the responsibility resides with the installer. No claims will be accepted regarding installed product. Responsibility for hidden defects remains with the producer if these are notified within the legal time limits.

RECOMMENDATIONS FOR USE

No laboratory test, however efficient it may be, is sufficient to determine the durability of a product. Apart from the obvious factor of the number of foot contacts, durability can also be influenced by the technical characteristics of the product, location of the installation and the possible presence of abrasive agents. We therefore recommend not only that products should be chosen with resistance characteristics that are sufficient for the intended use, as shown in the following chart, but also that floors should be protected against sand, grit and other abrasives with the use of mats and other suitable protection.

Key to symbols

SHADE VARIATIONS

	LOW Uniform colour with only minimal differences between tiles in the same production run.
	MODERATE Clearly distinguishable differences in texture and pattern within the same production run.
	HIGH Significant variation in texture, pattern and colour from tile to tile within the same production run. The colour range should be viewed before selecting the material.
	RANDOM Random differences from tile to tile. One tile may have totally different texture and colour from another. The colour range should be viewed before selecting the material.












RECOMMENDED USE

	Recommended for floors for medium-light use, as in private homes, with the exception of kitchens and rooms with direct outdoor access.
	Recommended for all rooms in the house and for business premises with medium use.
	Recommended for all rooms indoors and outdoors and for business premises in general.

ANSI A 137.1

due

Colored Body Porcelain Pavers 20 mm thick

	Established limits	Performances	Norms
 Water absorption	≤ 0,5%	~ 0,1%	ASTM C 373
 Breaking strength (1)	≥ 250 lbf.	~3000 lbf.	ASTM C 648
 Frost resistance	Resistant	Resistant	ASTM C 1026
 Resistance to thermal shock	Resistant	Resistant	ASTM C 484
 Average breaking load for raised floor installation (2)		Classe 1 16"x32" : > 4 kN 24"x24" : > 4 kN Classe 2 16"x48" : > 6 kN	EN 12825*
 Mechanical strength (3)		16"x48" : U3 16"x32" : U4 24"x24" : U7	EN 1339-F*
 Slip resistance (DCOF)	≥ 0,42	≥ 0,60	ANSI A326.3: 2021. (DCOF)
 Chemical resistance	As reported	Class: A	ASTM C 650
 Stain resistance	As reported	Class: A	ASTM C 1378
 Recommended use			

* Tests carried out on a different type from that for which the standard is issued

- (1) It states the resistance of a sample piece, leaning on three spots, to a concentrated load placed in the middle.
- (2) It shows the resistance, on raised floor laying as suggested by the catalogue, to a concentrated load applied in the middle.
- (3) It shows the breaking resistance through bending of the product in full size. The load is applied through a horizontal cylinder placed in the middle.