



TECHNICAL INFORMATION

SAPIENSTONE



The kitchen countertop is one of the most heavily used and functional surfaces in the home, and its selection requires careful consideration. It is where most daily tasks take place, from food preparation to placing utensils and appliances.

For this reason, resistance, durability, and ease of maintenance are essential technical qualities, alongside design and aesthetic harmony with the rest of the space.

Choosing the right material is therefore crucial. In this context, porcelain stoneware stands out as one of the best options on the market, thanks to its excellent technical performance and the versatility of its finishes, offering both practicality and refined aesthetics.



PHYSICAL PROPERTIES	TEST METHOD ISO 10545* / ASTM**	REQUIRED STANDARDS	AVERAGE VALUE OF PRODUCTION §
 MODULUS OF RUPTURE	ISO 10545.4	≥ 35 N/mm²	≥ 45/mm²
	ASTM C 648	> 275 lbf (1,22 kN)	> 700 lbf
 WATER ABSORPTION	ISO 10545.3	≤ 0,5%	≤ 0,05%
	ASTM C 373		
 RESISTANCE TO DEEP ABRASION	ISO 10545.6	≤175 mm³	≤ 127 mm³
	ASTM C1243		≤ 130 mm³
 STAIN RESISTANCE	ISO 10545.14	Unglazed tiles: testing method available	CLASS 5 Natural surface
	ASTM C1378	As reported	CLASS A
 CHEMICAL RESISTANCE	ISO 10545.13	Minimum CLASS B	Conforme
	ASTM C 650		

* According to the EN 14411 Encl. G/ISO 13006 Encl.G for unglazed dry-pressed ceramic tiles of the group B1a.

** According to the ANSI A137.1 and ANSI 137.3 for glazed dry-pressed ceramic tiles with CLASS P1 water absorption.



Resistance to heat

Porcelain stoneware surfaces are resistant to high temperatures, frost, and thermal shock. These characteristics are vital in a kitchen, as frequent contact with hot utensils, pots, and coffee makers could, in some cases, damage the countertop. The high-performance technical qualities of ceramic slabs ensure that high temperatures and sudden thermal changes are unable to alter this material, which remains unchanged and durable over time.



Resistance to scratches

Due to its intensive use, the kitchen worktop is often exposed to the risk of scratches and marks caused by sharp and pointed utensils, as well as by common objects with rough surfaces. Porcelain stoneware, especially with natural finishes, is among the hardest materials available on the market. Thanks to its inherent resistance, it proves to be an excellent choice for minimising this type of damage.



Resistance to stains and corrosion and ease of cleaning

An important characteristic of porcelain stoneware is its extreme compactness, which makes it an ideal candidate when choosing a kitchen countertop. Its impermeability ensures that even the most stubborn stains can be easily removed, not just oil, wine, sauces, and coffee, but also acidic substances like lemon, vinegar, or detergent residues.



Surface hygiene

Being a compact material, porcelain stoneware is particularly well-suited for kitchen surfaces, particularly for those who place a strong emphasis on hygiene.

	S	QUARTZ SURFACE	GRANITE	MARBLE	SOLID SURFACE
UV Resistant	● ● ● ● ●	● ●	● ● ● ●	● ● ● ●	●
Heat Resistant	● ● ● ● ●	● ● ●	● ● ● ●	● ● ● ●	● ● ●
Scratch Resistant	● ● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ●
Chemical Resistant	● ● ● ● ●	● ● ●	● ● ● ●	● ● ● ●	● ●



SURFACE CHECK



Before starting to carry out any work, such as cutting, laying or installing on cabinets, we recommend meticulously cleaning and examining the large format ceramics to check for any issues such as:

- Bubbles, cracks and splits;
- Bends, deformations;
- De-shading;
- Any other fault that may be considered a defect.

The processing of natural raw materials, combined with the use of leading-edge patented production techniques, makes it possible to obtain high-tech materials characterized by typical full-body effects, a feature that has always been the exclusive hallmark of quarried marble and stone. Chromatic variations, veining and speckling are thus prized characteristics of Sapienstone materials. Slight light-dark shading or variations in colour tone or gloss on the top are due to the manufacturing process and therefore should not be considered a defect. In respect of any replacements, it should be noted that there may be slight differences between new and old large format ceramics. Claims will not be accepted for any large format ceramics, which have already been installed, even if defects were present on delivery.



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(www.nsf.org)
To identify which
models are
NSF Certified



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