

Shaping Inspiration

ROSSKOPF
+PARTNER

**MATERIAL INFORMATION
PORCELAIN CERAMIC**



selatec®

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Porcelain ceramic:

Trend-setting Properties

selatec® is a homogeneous, high-density porcelain ceramic and is produced in large material sheets **3200 x 1500 mm** (raw dimensions). Needless to say, the material does not emit harmful substances into the environment and can be easily recycled.

Because of its hard surface, **selatec®** is extremely resistant to mechanical stress and is highly scratch resistant. In addition, the material is entirely fireproof.

Its high flexural strength, colour fastness and resistance to chemicals are distinguishing characteristics of **selatec®**. The easy-to-clean hygienic surface allows its use in areas with special demands.

With a lower specific weight than aluminium and its excellent quality, **selatec®** is ideally suited for both indoor and outdoor applications, such as:

- worktops in the kitchen as well as in the laboratory and medical field
- bathroom washstands
- furniture and interior decoration as furniture surfaces, door panelling, etc.
- in buildings with bathroom renovation, wall and floor elements, suspended ceilings, partition wall systems, mobile partitions, surface finishes and modernization, elements for ventilated facades, weather linings, panelling for clean rooms and elements in tunnel and underground construction
- panelling and indoor furnishings in shipbuilding.

Sheet Dimensions

Sheets made of porcelain ceramic are available in
6 mm thick – 3200 x 1500 mm
12 mm thick – 3200 x 1500 mm

Surface structures

Satin: this finish is characterized by a natural matt look and a regular texture conferring high resistance properties to the material.

Silk: this finish is similar to Satin finish but its texture is softer to the touch. The smoothness is achieved through the Neolith Airless Pistol (NAP) technology granting the surface with a silky finish.

Riverwashed: provides greater relief, depth and surface roughness. It can be compared to a brush hammered or aged finish and adds a touch of realism to models inspired by natural stones.

Polished: this finish adds shine, depth, a reflection that stands out for its complete flatness and a touch of elegance.

Edge shapes



Standard edge
12 mm thick



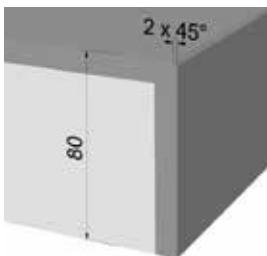
Stainless steel edge
12 mm thick



Mitred
12 mm thick



Mitred
40 mm thick



Mitred
80 mm thick



Mitred
120 mm thick



Technical features

| Specifications | Unit | Result | Standard Value | Test Method |
|-------------------------------|-------------------|---------------------|---|---------------------|
| Water absorption | % | ≤ 0,1 | ≤ 0,5 | UNE-EN ISO 10545-3 |
| Rupture load | N | > 700 | ≥ 700 | UNE-EN ISO 10545-4 |
| Flexural strength | N/mm ² | > 45 | ≥ 35 | UNE-EN ISO 10545-4 |
| Thermal fatigue resistance | | no visible change | test method | UNE-EN ISO 10545-9 |
| Hairline crack resistance | | no visible change | requested | UNE-EN ISO 10545-11 |
| Frost resistance | | no visible change | requested | UNE-EN ISO 10545-12 |
| Chemical resistance | | UA, ULA | commensurate with manufacturer's standards | UNE-EN ISO 10545-13 |
| Resistance to spotting agents | | 5/5/5 | test method | UNE-EN ISO 10545-14 |
| Friction coefficient | | Class 3 : compliant | 15<Rd 35 Class 1 35<Rd 45 Class 2 Rd>45 Class 3 | UNE-EN ENV 12633 |
| Hygroexpansivity | | < 0,03 | ≤ 0,6 | UNE-EN ISO 10545-10 |





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We reserve the right to make engineering changes and will not be responsible for any errors.

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