

NAICA

Naica is an ivory-white quartz with fine sand-colored veins, known for its high resistance to abrasion.

PRODUCTION PROCESS

The Naica block arrives at CS3 Revestimentos and the process begins with wrapping to reinforce its physical and mechanical resistance for subsequent steps. Next, the blocks are cut into slabs of 2 or 3 centimeters thick using diamond wires. After cutting, the slabs may undergo oxidation removal treatment and are reinforced with a fiberglass mesh glued to the back for better structural stability.

Subsequently, the slabs are honed, resin-treated, and polished, and finally receive a product that restores and enhances their shine. Finally, the slabs are classified, retouched if necessary, and stored in stock.

RECOMMENDED APPLICATIONS



Indoor areas



Artwork



Countertops



Wall panels



Bathrooms



Flooring



Kitchens

FINISHES

According to customer request, Naica can be offered in different finishes, such as:

- Polished
- Honed
- Satin
- Brushed

TECHNICAL DATA

* Data provided by the material supplier

MINERALOGICAL COMPOSITION *

Quartz	93%
Muscovite	4%
Accessories	3%

PHYSICAL-MECHANICAL CHARACTERISTICS *

Apparent Density	2,64 g/cm ³	-
Apparent Porosity	0,56%	Low
Water Absorption	0,24%	Low
Uniaxial Compressive Strength	77,4 MPa	Medium
Flexural Strength	6,53 MPa	Low
Impact Resistance (hard body)	0,63 m	High
Abrasive Wear Resistance	0,38 mm	Very High

STAIN RESISTANCE

Stain resistance tests are conducted with 1, 8, and 24-hour contact times between the tested surface and common staining agents.

In tests conducted by the CS3 R&D laboratory, Naica showed the following results:

Protection up to 24h of contact against stains from:

- Grape juice
- Cola soft drink
- Citric acid / Lemon
- Pen ink
- Olive oil
- Tomato sauce
- Coffee
- Detergent
- Detergent + sponge
- Degreaser
- Disinfectant
- Vinegar
- Wine
- Chlorine
- Bleach

USAGE GUIDELINES

Storage

- Protect slabs from the elements by storing them in dry, clean places in a vertical position.
- Avoid contact with products like paints, oils, pigments, wood, urine, cigarettes, glazing putty, and other agents that may cause stains.

Cutting

- Perform wet cutting to prevent the spread of fine dust.
- After cutting, dry and clean the material thoroughly before applying the surface sealant.

- Use high-quality water- and oil-repellent products to seal all cut surfaces, including sink edges, waste openings, drains, faucets, backsplashes, and Italian-style recesses. Refer to our Technical Guide for recommended products.

Maintenance and Protection

- Also waterproof the backside of the piece in areas with possible rising damp.
- Reapply the water- and oil-repellent sealant periodically on both the surface and all cut edges, depending on usage frequency (e.g., semiannually, annually, or as needed).

Installation

- Use high-quality, flexible adhesives and grouts.
- Use metal support clips and good-quality polyurethane adhesives for attaching sinks and countertop.
- Respect thermal expansion joints when grouting and fixing coverings, especially in outdoor areas exposed to sunlight or large temperature variations.

Cleaning

- Use cleaning products suitable for quartzites and avoid abrasive materials such as hard bristle brushes or steel wool.
- Use neutral detergents and soft cloth mops dampened with water.
- Quickly clean any contact with staining agents like cooking oil, wine, and sauces using neutral detergent, water, and a super soft sponge.
- For tougher stains, use specific stain removers recommended for quartzites.

Additional Care

- Avoid contact with abrasive agents or chemicals such as bleach, chlorine, acids, and scouring powder.
- Avoid contact with sharp or abrasive objects like knives or stiff brushes, as they can scratch surfaces, especially polished finishes.
- Do not expose quartzites to direct fire and use trivets to avoid contact with hot objects like pans.
- Do not expose quartzite to hot oil.
- Avoid placing excessive weight on countertops or dropping heavy objects to prevent breakage.

For more information, refer to our Quartzite Technical Guide or contact the CS3 technical team.