



OPTICKSQUARTZ
FABRICATED DESIGNER SURFACES



CATALOG
2021



Opticks Surfaces provides surface solutions for professionals in the building industries. We are a well-capitalized San Diego based company leveraging exclusive relationships around the globe to provide the very best products at the greatest value, on-time, and delivered direct to your project site.

Our dedicated team is experienced at working on all types of commercial projects in the states and around the world. Whether it's exterior stone cladding, floor and wall tiles, countertops, or special cut-to-size projects, we have the experience and expertise to make sure your project is completed as ordered and on-time.

Our products and services are available to architects, developers, designers, general contractors, countertop installers, and custom home builders.

We can assist in project conceptualization and design, material specification, shop drawings, fabrication, and delivery to the job site.

Opticks Products can be brought in as cut to size for projects such as apartments and condominiums, senior living communities, airport lounges, retail space, offices and hotels. Countertops, flooring and interior cladding can be cut to most sizes and dimensions to suit your design.

WINTER STORM



SLAB



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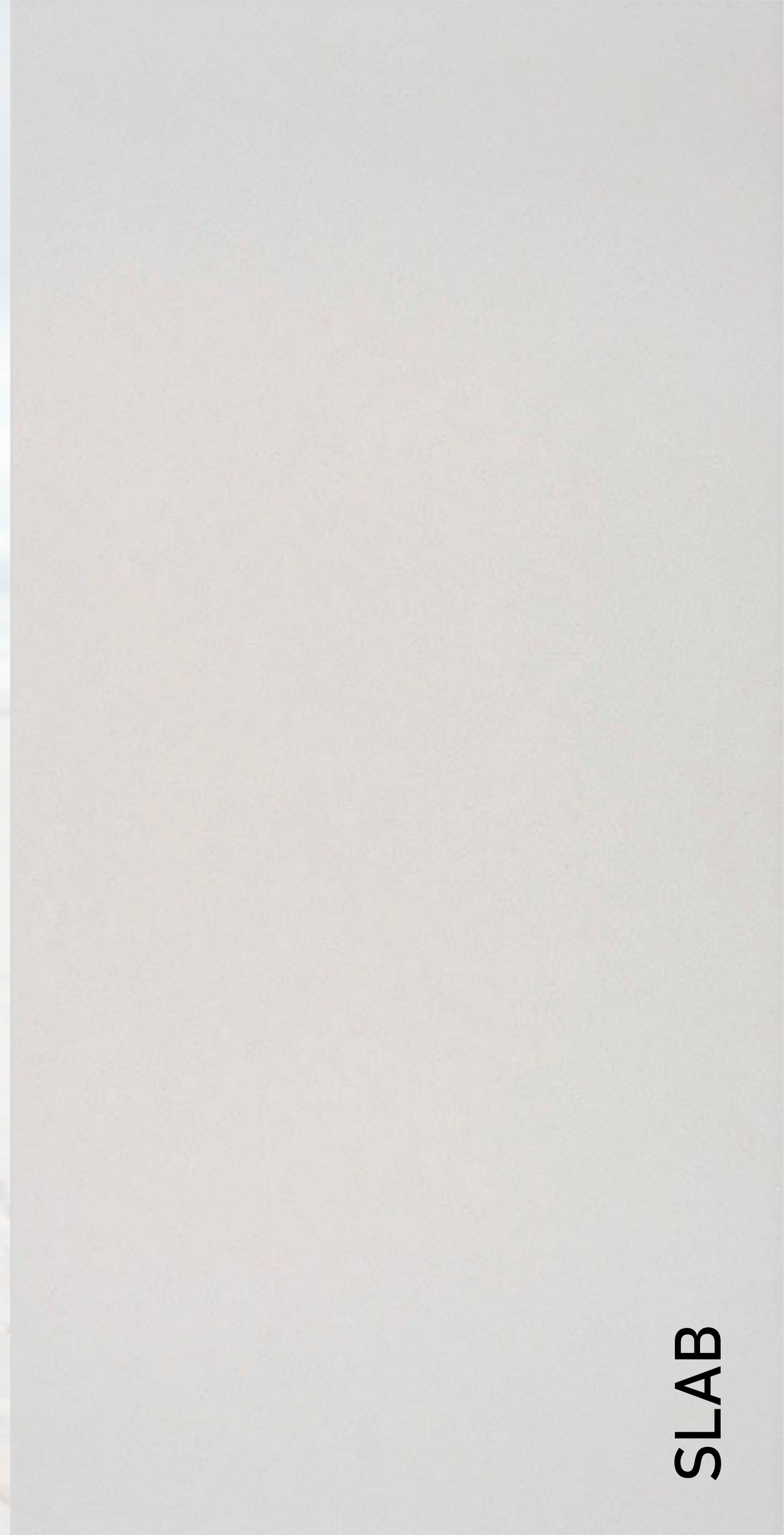
GRAVEL

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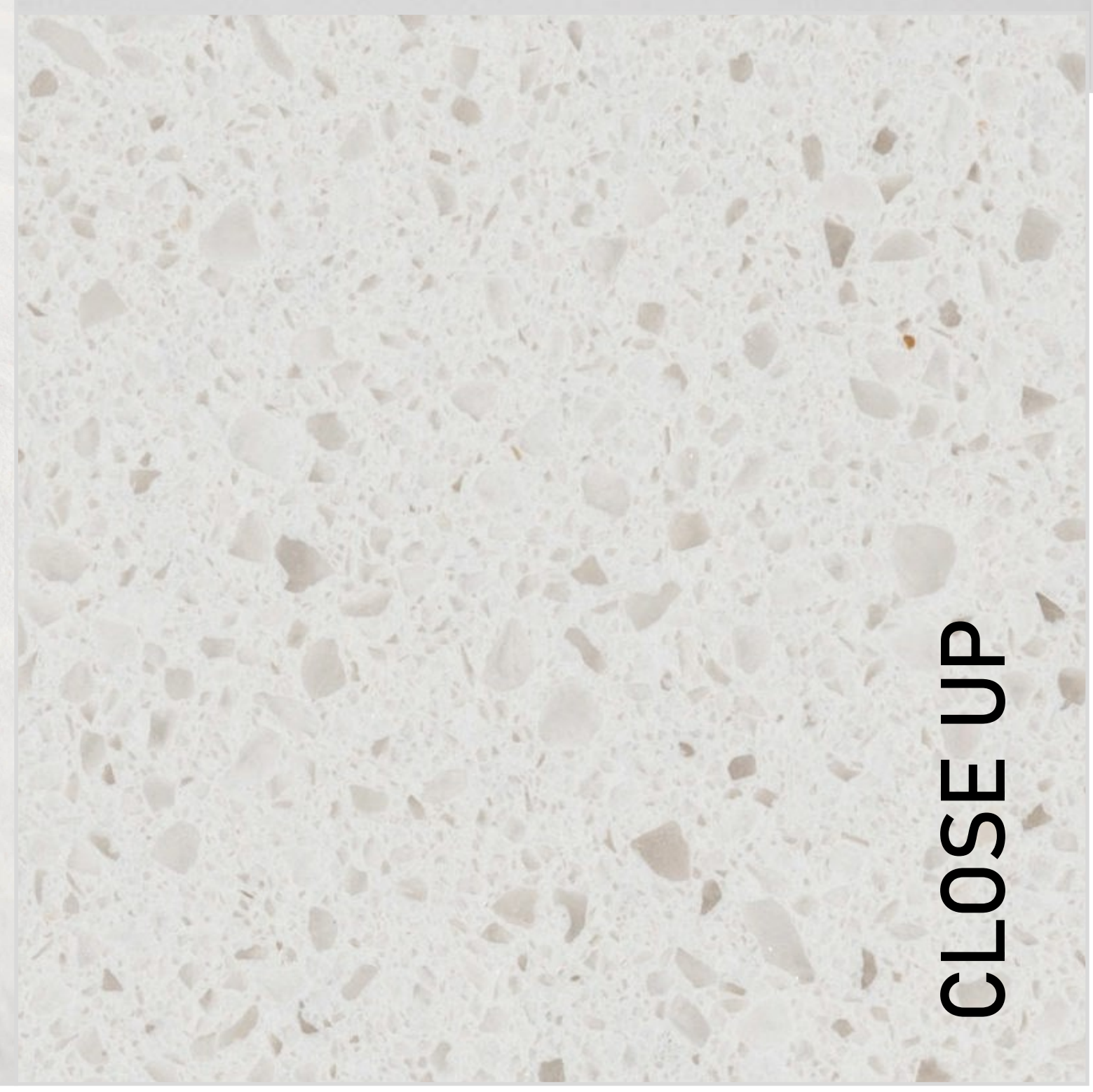
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CARRIBEAN SAND



SLAB



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WET SAND



SLAB



CLOSE UP

NUANCE WHITE



SLAB



CLOSE UP

HERON GREY



CLOSE UP

ARCTIC TUNDRA



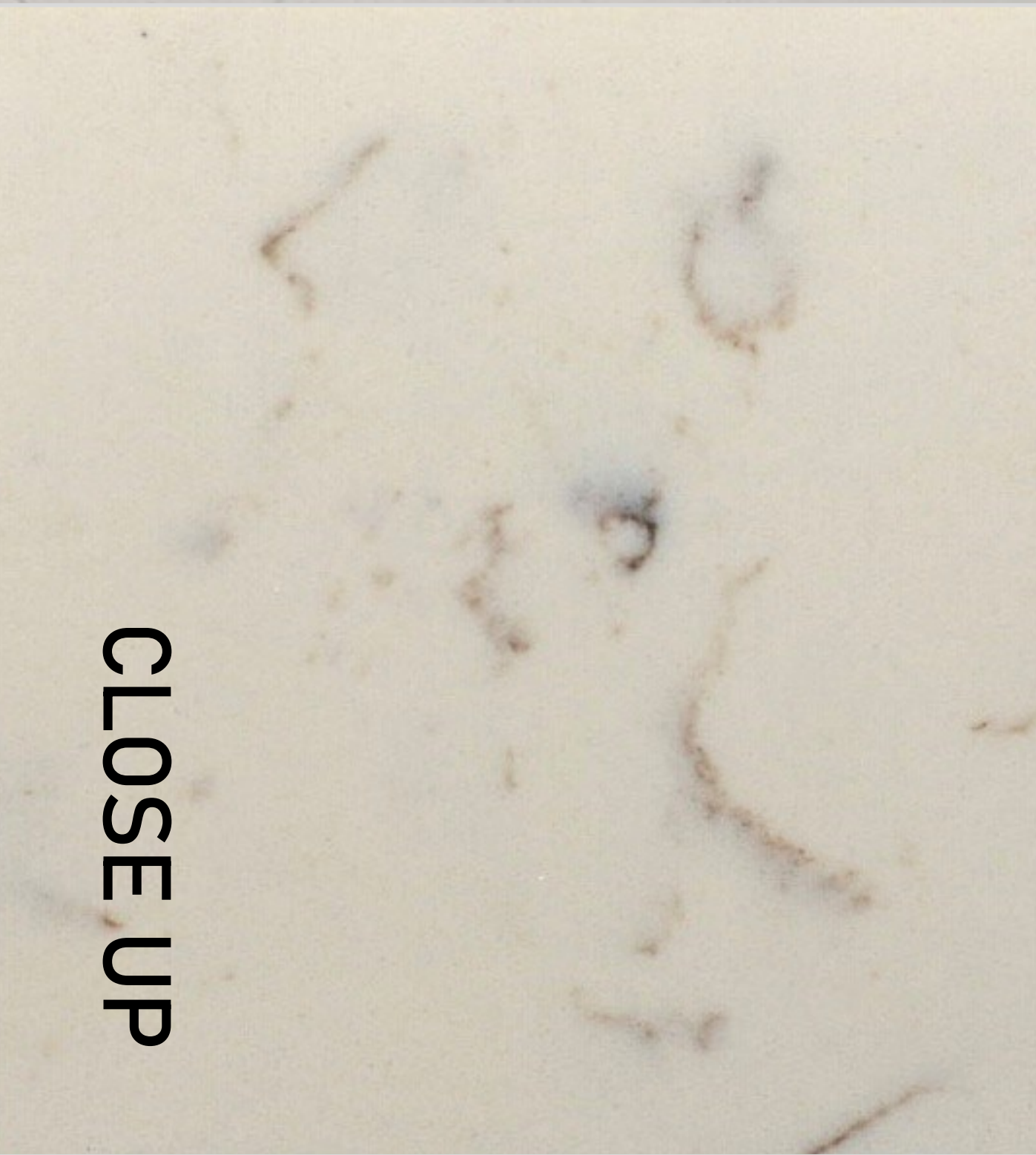
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SPICED CHAI



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GLACIAL MORaine



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SNOWBOUND



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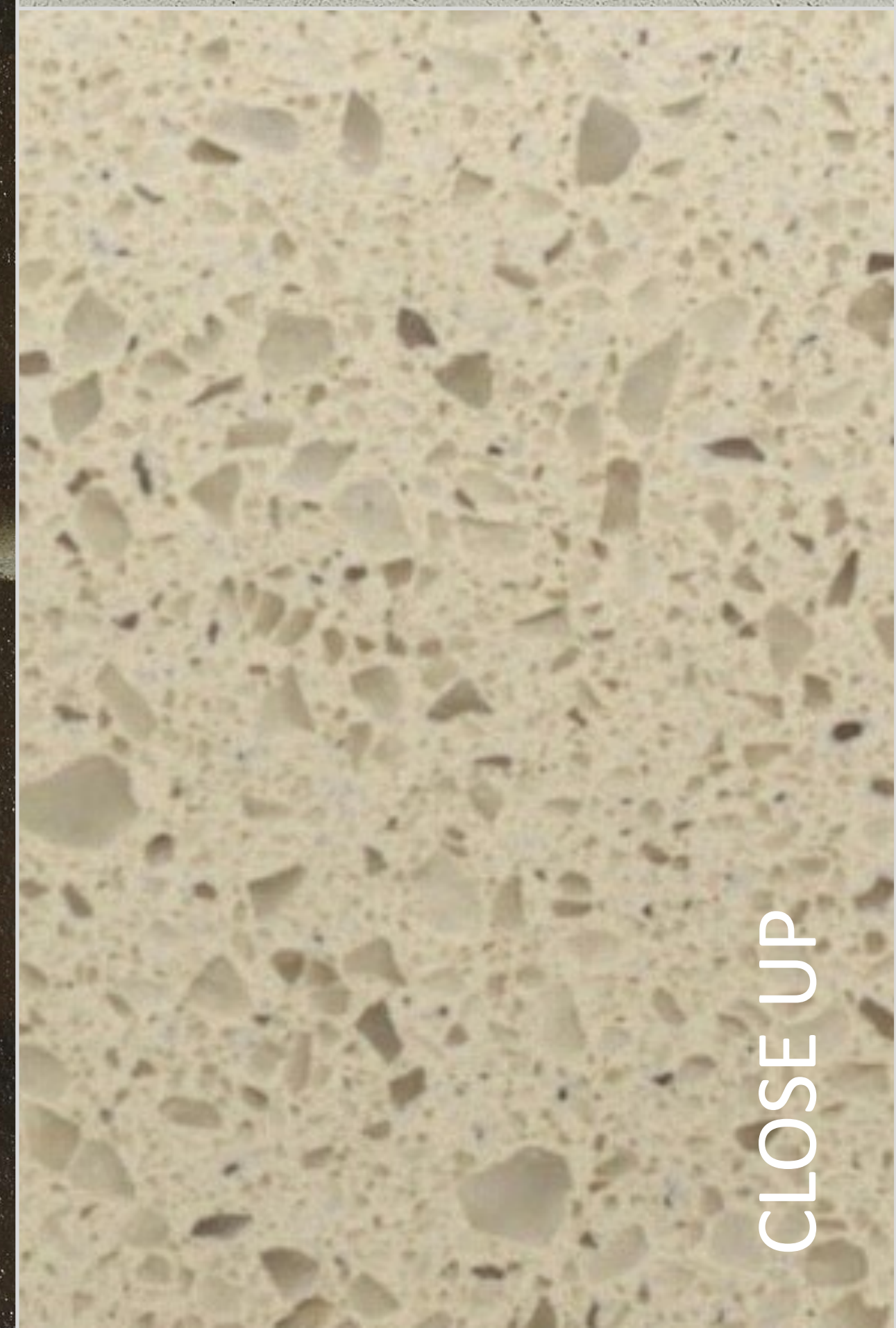
CRUSHED SHELL

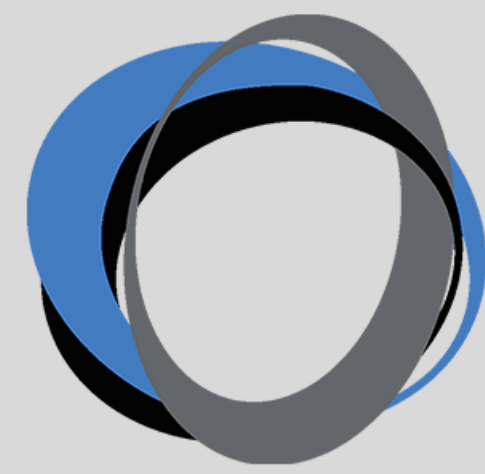


A. Cooke, 1908

SLAB

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SPECIFICATIONS

| | CHARACTERISTICS | TESTING METHOD | STANDARDS |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|
| PHYSICAL PROPERTIES | Density / Specific Gravity | ASTM C97 / EN 14617-1 | 2.2-2.45 gr/cm ³ |
| | Water Absorption | ASTM C97 / EN 14617-1 | <0.02% by weight |
| | Dimensional Stability | EN 14617-12 | Class A |
| | Thermal Shock | ASTM C484 / EN 14617-6 | No Change |
| | Thermal Expansion Coefficient | ASTM C531 / EN 14617-11 | 1.8 to 3.5 x 10 ⁻⁵ /°C |
| | Thaw - Frost Resistance | ASTM C1026 / EN 14617-5 | No Change |
| MECHANICAL PROPERTIES | Scratch Resistance | ASTM C241 / EN 101 | 6-7 Moh Scale |
| | Flexural Strength / MOR | ASTM C880 / EN 101 | 35-70 Mpa |
| | Ball Impact Strength | ASTM D256 / EN 14617-9, EN 14158 | 6-10 kJoules |
| | Compressive Strength | ASTM C170 / EN 14617-15 | 150-240 Mpa |
| | Abrasion Resistance | ASTM C501 / EN 14617-4 | 80-175 MM3 |
| CHEMICAL PROPERTIES | Chemical Resistance | ASTM C650 / EN 14617-10 | Class C4 |
| | Stain Resistance | ASTM C1378 / EN 14617-10 | Pass |
| | Flammability | ASTM E84 / EN 13501-1 | Class A |
| | Fungi & Bacterial Resistance | ASTM G21 & G22 | Pass |

*Calculations are based on 2cm thickness and ranges are present to account for variations in style or color.

CARE & MAINTENANCE

Opticks Quartz is a 93% quartz-based product that has outstanding properties to ensure ease of maintenance and longevity of your surfaces. It will withstand exposure to tea, wine, vinegar, lemon juice and strongly colored substances.

Everyday Cleaning

Opticks Quartz requires very little maintenance to keep the surface looking like new. For every day, routine cleaning of Opticks Quartz, we recommend wiping the surface with warm soapy water (a mild detergent) and a damp cloth or alternatively use a quality “spray-and-wipe” type cleaner.

Food Preparation

To avoid damaging your expensive knives, we always recommend cutting on an appropriate cutting board and never directly on the Opticks Quartz surface.

Polishing

As Opticks Quartz is virtually non-porous, it will keep its lustrous gloss and ultra-smooth surface without polishing never needs sealing or resealing.

Heat Resistance

Opticks Quartz will tolerate short-term exposures to hot temperatures, however prolonged direct contact with or radiated heat from very hot pots may cause thermal shock, discoloration or damage. Therefore, we cannot recommend placing hot pots, pans, electric frying pans, oven trays, etc. directly from the hotplate or out of the oven onto the surface of Opticks Quartz. We always recommend the use of a hot pad or trivet to place hot items on.

Tough? Yes. Indestructible? No.

As with any surface, Opticks Quartz can be permanently damaged by exposure to strong chemicals and solvents that undermine its physical properties. That means try not to spill hydrochloric acid on the surface, as it may react with and dissolve the crystalline quartz in the surface. Do not use products to clean your surface that contain trichloroethane or methylene chloride, such as paint removers or stripper. Avoid any highly aggressive cleaning agents like oven cleaner that have particularly high alkaline/pH levels. Should the surface be accidentally exposed to any of these damaging products, rinse immediately with water to neutralize the effect.

Extra stubborn dried spills and stains

For removal of these, or if you wish to give your Opticks Quartz surface a thorough clean, then we recommend soapy water and a 3M™ Scotchbrite™ Never Scratch™ All-Purpose Scrubber which can be used without damaging the stone, or alternatively applied to a soft damp cloth.



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