



WHEN PURITY MATTERS

PREMIUM-QUALITY MATERIALS FOR
FLAWLESS ENGINEERED STONE



Material solutions *advancing life*

ADD STYLE & TECHNICAL PERFORMANCE

CREATE VISUALLY DISTINCTIVE, EXCEPTIONALLY DURABLE SURFACES WITH OUR RANGE OF HIGH-QUALITY MATERIALS FOR ENGINEERED STONE.

With constantly evolving consumer tastes and an increasingly competitive marketplace, our product range has been specially developed to help you meet key manufacturing challenges and gain a competitive edge:



Enhance Appearance

From ultra-white to nature-inspired, achieve truly striking designs.



Increase Durability

Boost mechanical strength, hardness and chemical resistance.



Reduce Weight

When every gram counts, create lighter-weight slabs.



Gain Consistency

Results you can depend on thanks to the purity of our materials.



Improve Efficiency

Explore potential cost savings by substituting mix materials.



YOUR ONE-STOP SOURCE OF PREMIUM BATCH MATERIALS

FROM QUARTZ TO CRISTOBALITE TO RECYCLED GLASS, WE'VE GOT EVERY MATERIAL YOU NEED TO MAKE SURFACES THAT STAND OUT, PLUS QUALITY YOU CAN COUNT ON WITH GLOBAL SUPPLY ASSURANCE.

CRISTOBALITE

SIBELITE®

FOR ULTRA-WHITE FINISHES AND LIGHTER WEIGHTS

SIBELITE® cristobalite sands and powders are produced by calcining silica sand at 1500°C.

As an opaque material with exceptionally high whiteness, and a lower density than quartz, SIBELITE® delivers a range of benefits:

- ➔ achieve an ultra-white finish with less need for TiO_2
- ➔ improve colour purity in vivid designs
- ➔ reduce the net weight of the slab
- ➔ improve resistance to scratching and chemicals

QUARTZ

PREMIOLITE®

FOR HIGH-WHITE FINISHES

PREMIOLITE® is a semi-transparent quartz filler, produced from selected high-purity industrial sands.

PREMIOLITE® is perfect for engineered stone applications requiring a reliable silica contribution and/or a chemically inert structural filler.

- ➔ achieve high-white / translucent finishes
- ➔ reduce presence of white spots to almost zero
- ➔ efficient optical sorting
- ➔ improve resistance to scratching and chemicals

SIBELITE® and PREMIOLITE® are available in various particle sizes which can be combined to optimise loading levels.



YOUR ONE-STOP SOURCE OF PREMIUM BATCH MATERIALS

Mineral	Product name	Colour	Chemical resistance	Transparency	Oil absorption	* **PSD Available	Density	L resin Grit 50%	a resin 50%	b resin 50%	Crystalline Silica content
CRISTOBALITE	SIBELITE®	White	⋈⋈⋈	⋈	⋈⋈⋈	Grit + Flour	2.3	89	0	1	80%
QUARTZ	PREMIOLITE®	White/ Transparent	⋈⋈⋈	⋈⋈	⋈	Grit	2.6	75	2	5	100%
SILICA	SILVER BOND®	Grey	⋈⋈⋈	⋈	⋈	Flour	2.6	60	2	>6	100%

SILICA

SILVER BOND®

MAXIMISE DURABILITY

SILVER BOND® silica sands and flours are extracted from high-quality mineral deposits and processed to rigid specifications to ensure optimal particle size.

- ➔ increase slab strength
- ➔ improve resistance to chemicals, water and staining
- ➔ available in various particle size distribution to improve filler ratio mechanical strength & chemical performance

OTHER PRODUCTS

FELDSPAR

MAXIMISE COLOUR STRENGTH

FELDSPAR is available as sand, flour and micronised filler, from naturally white to grey colour.

GLASS CULLET

MINERAL ALTERNATIVE

Recycled glass is used as a replacement for minerals in the manufacturing process, helping to reduce reliance on primary raw materials.

* We have the capabilities to produce flours from grit upon customer request.

** PSD - Particle Size Distribution.

MORE THAN MATERIALS

WE DON'T JUST SUPPLY HIGH-QUALITY MATERIALS. WE ALSO PROVIDE YOU WITH UNRIVALLED LEVELS OF TECHNICAL SUPPORT AND ACCESS TO OUR LEADING-EDGE RESEARCH & DEVELOPMENT FACILITIES.

As well as helping you to solve day-to-day production issues, our expert team and specialised salesforce in the field, will work with you to meet wider challenges around product aesthetics and weight, energy consumption and yield improvement.

Our laboratory is equipped with the very latest technology, including three-dimensional SEM (scanning electron microscope) analysis which enables ultra-high-resolution imaging to examine surface fractures, microstructures and contaminations.



SUSTAINABLY MANAGED

AS A GLOBAL INDUSTRIAL MINERALS BUSINESS, WE PROACTIVELY MANAGE THE IMPACTS OF OUR ACTIVITIES VIA A SUSTAINABILITY FRAMEWORK BUILT AROUND 3 CORE ELEMENTS, EACH OF WHICH HAS CLEARLY-DEFINED FOCUS AREAS AND ASSOCIATED TARGETS.

Following in-depth research and analysis with the support of external experts, we have established a set of clear and ambitious GHG reduction targets (Scope 1,2 & 3).

Sibelco remains firmly committed to promoting sustainable practices across its operations and industries, striving to make a positive impact on the global business landscape. So you can be sure that the materials you source from Sibelco have been responsibly mined and managed.

Read more about our sustainability strategy and performance within our latest annual report.

Protecting the Planet



- Circularity
- Climate Change & Carbon Emissions
- Closure Planning & Biodiversity



Material Solutions Advancing Life

Caring for our People



- Diversity, Inclusion & Belonging
- Employer of Choice
- Health & Safety
- Human Rights



Engaging with Society



- Business Ethics
- Community & Stakeholder Engagement
- Corporate Governance
- License to Operate
- Reserves & Resources



Sustainable Growth

PRODUCTION LOCATIONS

WE MINE, PROCESS AND SELL INDUSTRIAL MINERALS AT LOCATIONS WORLDWIDE, FOCUSED PRIMARILY ON SILICA, CLAYS, FELDSPATHICS AND OLIVINE. WE ARE ALSO LEADERS IN GLASS RECYCLING.

Founded in 1872, we have grown into a multinational business with operations in 32 countries and an extensive multi-mineral portfolio.



32
countries



6
technical
centres



120
production
sites



5,000
people
worldwide



MATERIAL SOLUTIONS ADVANCING LIFE

EVERYTHING WE DO IS GUIDED BY OUR PURPOSE: MATERIAL SOLUTIONS ADVANCING LIFE.

We work across a broad range of industries, anticipating and meeting our customers' changing needs with innovative solutions that combine high-specification materials and dedicated technical support.

We create materials that power progress. Our products help to build homes, cities and vehicles; to support the supply of renewable energy, food and clean water; to create technologies such as smartphone display screens, printed circuit boards and semiconductors. We do this within a robust sustainability framework, always balancing economic performance with environmental stewardship and social responsibility.



GET IN TOUCH

To find out more about our range of materials and support services, please contact us. Products included in this brochure are for European distribution only.



www.sibelco.com