



# GLASSiL® / PURESiL®

Melting Sand      Low-Iron Melting Sand

## Achieve consistent glass batches with in-spec sand

As a trusted partner with an extensive legacy in the glass market, Covia's industry-leading expertise addresses customers' needs to achieve consistent glass batches with in-spec sand. This knowledge is based on an advanced range of technical capabilities for developing collaborative, long-term solutions with customers by tailoring product specifications or innovating new products.

Even as business conditions evolve, customers know they can always rely on Covia, the glass market's number one silica supplier, for high-purity crystalline silica sand with stable chemistry to enhance productivity. The right particle size distribution with coarse and fine grains offer optimized mixing and a uniform melt. Unmatched processing expertise ensures that in-spec sand does not cause a batch formula change.

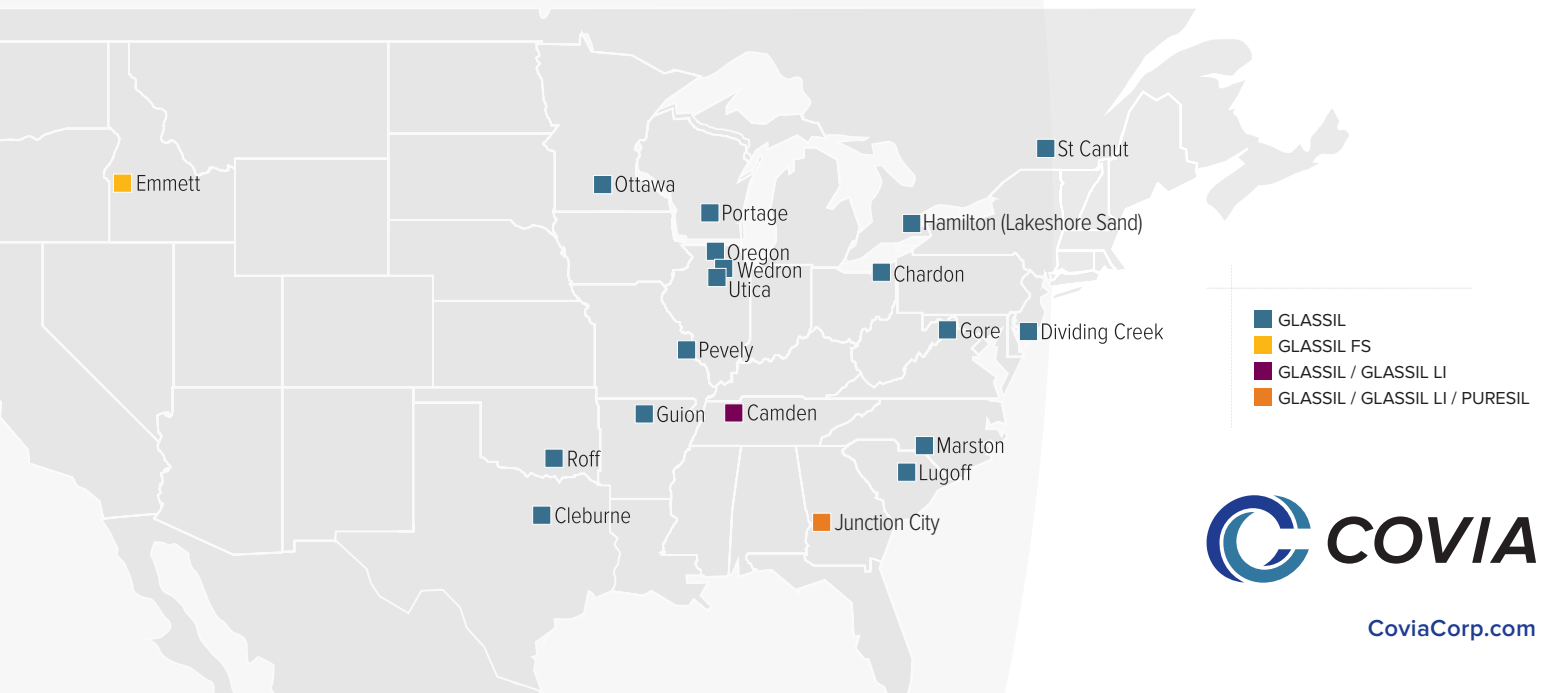
## Reduce delivered cost by leveraging extensive footprint

Covia has also built its reputation on an industry-leading footprint with 18 glass sand plants supported by the most comprehensive, accessible distribution network, which reduces shipping and final delivered cost. As a result, the plant locations and logistics expertise are an important customer supply chain consideration. Covia is a proactive supplier whose scale ensures efficient order fulfillment that delivers product on time. The ability to provide this best-in-class service is another dynamic component of the customer-centric legacy.

CONSISTENT  
GLASS  
BATCHES

EXPERT  
TECHNICAL  
COLLABORATION

INDUSTRY-  
LEADING  
FOOTPRINT WITH  
18 PLANTS





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| PRODUCT OFFERING   | MINERALOGY                     | IRON CONTENT    | ALUMINA CONTENT | APPLICATION  |
|--------------------|--------------------------------|-----------------|-----------------|--|
| <b>GLASSiL®</b>    | whole grain crystalline silica | 0.018% - 0.080% | 0.05% - 0.50%   | flat and structural glass, container glass, tableware, decorative wares, fiberglass, silicates |
| <b>GLASSiL® Li</b> | whole grain crystalline silica | 0.012%          | 0.07%           | flat and structural glass, specialty container glass, tableware, decorative wares, silicates   |
| <b>GLASSiL® FS</b> | feldspathic silica             | 0.130%          | 8.0%            | flat, container glass, fiberglass  |
| <b>PURESiL®</b>    | whole grain crystalline silica | >0.0090%        | 0.03%           | decorative and table glass, fused and calcined silica, specialty glasswares, sodium silicates  |

## Increase production efficiency with expert technical collaboration

The Covia sales team collaborates with customers to determine the sand product that is best aligned with the required specifications. The team's knowledge, based on decades of cutting-edge experience in the glass market, is recognized throughout the industry. Performance-driven solutions are at the core of their recommendations. The sales team also works with in-house technical experts to answer customers' complex glass batch formula and melting questions. Guidance is based on extensive testing, customized for each analysis, in Covia's proprietary state-of-the-art laboratory. Staff includes professionals specializing in analytical chemistry, mineral processing, mineralogy, inorganic chemistry, and material science. This business model of technical and sales support increases production efficiency.

GRADE NUMBERS INDICATE RELATIVE VALUES OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

**HEALTH HAZARD WARNING:** Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury including Silicosis, a progressive, disabling and sometimes fatal lung disease. IARC and NTP have determined that crystalline silica can cause lung cancer in humans Risk of injury is dependent on the duration and level of exposure. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

**Notice:** While information contained herein is correct to the best of our knowledge, Covia hereby disclaims any warranties as to the accuracy of the same. Recommendations or suggestions are made without guarantee or representation as to result, since conditions of usage are beyond our control. All materials are sold subject to Covia's standard terms and conditions of sale and the condition that buyer shall make his own tests to determine the suitability of such product for buyer's purpose. Glassil® DS treated sand does not eliminate need or obligation for buyer to ensure OSHA compliance. No statement contained herein shall be construed as a license to operate under or as a recommendation to infringe any patent.

Silica Containing.

For more information about sourcing our silica sand for achieving consistent glass batches, please email: [sales@coviacorp.com](mailto:sales@coviacorp.com) or call our customer service team: 1.800.243.9004

