

MATRIX[®]

Feldspathic Glassy Phase Promoter

Manufacture stronger, more-durable glass

MATRIX[®] feldspathic glassy phase promoter produced from cost-effective Canadian nepheline syenite is the clear choice to manufacture stronger, more-durable glass. The durability is the result of the nepheline syenite's high alumina content that provides an efficient flux at a lower melting point compared with other feldspathic materials, which reduces energy consumption. This more efficient, silica-free product also enhances the workability of glass batches by lowering the viscosity.

Optimize glass furnace performance

Covia's glass market experts developed MATRIX[®] feldspathic glassy phase promoter to optimize glass furnace performance and further support product strength and durability. This performance is derived from unmatched, high-quality material processing with advanced equipment that achieves uniform chemistry with the right particle size distribution. Air classification equipment separates particle sizes to maintain the correct iron content.

The sharply focused attention on industry-leading processing also improves structural and chemical performance. MATRIX feldspathic glassy phase promoter is processed under Covia's rigid Quality Improvement Program (QIPSM), a process-driven risk management framework derived from ISO 9001:2015, that is implemented company-wide to ensure customers receive high-quality products and exemplary service.



For more information about manufacturing stronger, more-durable glass, email: Sales@CoviaCorp.com or call our customer service team: 1-800-243-9004.





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MINERALS	Al ₂ O ₃ Alumina Content	Na ₂ O Flux Content	K ₂ O Flux Content	Fe ₂ O ₃ Iron Content
Nepheline Syenite (MATRIX 340)	23.6%	10.4%	5.0%	0.09%
Aplite	21.8%	5.9%	2.5%	0.23%
Feldspar	19.1%	6.3%	4.4%	0.04%

Increase production efficiency with expert technical collaboration

The Covia sales team collaborates with customers who leverage our technical expertise to determine the industrial material that is best aligned with their required specifications. With the team's decades of cutting-edge experience recognized throughout the glass market, performance-driven solutions are at the core of their recommendations. The sales team also works with in-house technical experts to answer customers' questions about maintaining an efficient flux. 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.

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.

Nepheline Syenite Containing.

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