

EXPOLICA CERAMICS

QUALITY CLAY WORLDWIDE





ABOUT

Expolica Ceramics was founded by visionary leaders Narsang Vaid and Kamlesh Vaid with a deep passion for quality and innovation in the ceramics industry. Under their guidance, the company has grown to own and operate five mines across the state, each dedicated to extracting different types of clay to meet diverse industrial needs. This extensive resource base, combined with our state-of-the-art facilities and a dedicated R&D team, allows us to deliver customized solutions with unmatched consistency and quality. Choosing Expolica Ceramics means partnering with a company that values excellence, from the ground up.

Choosing Expolica Ceramics means aligning with a company that prioritises quality, expertise, and innovation at every step. With five strategically located mines, we control the entire process from extraction to export, ensuring the finest clay raw materials for your needs. Our founder's vision of excellence is embedded in our operations, supported by a highly skilled team and advanced technology. This allows us to provide customized, reliable solutions that meet the highest industry standards. When you partner with us, you benefit from our unwavering commitment to delivering exceptional products and service, every time.

FOUNDER : NARSANG VAID

Narsang Vaid, the visionary founder of Expolica Ceramics, has transformed the company into a global leader in the clay export industry. With decades of experience in mining and resource management, he identified the untapped potential of India's rich clay reserves and built a business that delivers premium-quality materials to international markets. Narsang's forward-thinking approach has been instrumental in establishing Expolica Ceramics as a trusted name in the industry. His dedication to sustainable mining practices ensures the preservation of natural resources while meeting global demand. Known for his strong leadership and innovative mindset, he has consistently steered the company toward excellence. Narsang's legacy is one of hard work, resilience, and an unwavering commitment to quality, making Expolica Ceramics synonymous with reliability and expertise in the clay export sector.

DIRECTOR : KAMLESH VAID

Kamlesh Vaid, the dynamic director of Expolica Ceramics, plays a crucial role in the company's operational success. With a strong background in business management, he oversees every aspect of the company's activities, from mining operations to global client relationships. Kamlesh's strategic vision has driven the company's expansion into new markets, strengthening its reputation as a reliable supplier of high-quality clay. He is committed to ensuring the seamless integration of modern technologies into the company's processes, enhancing efficiency and sustainability. Kamlesh's ability to anticipate market trends and foster innovation has positioned Expolica Ceramics as a frontrunner in the competitive clay export industry. His leadership style emphasizes collaboration and excellence, ensuring that the company consistently delivers on its promises. With his dedication and expertise, Kamlesh continues to elevate Expolica Ceramics' status as a trusted partner for clients worldwide.

VISION

To be a globally recognized leader in the clay export industry, delivering premium-quality products while championing sustainable mining practices. We aspire to set benchmarks in innovation, reliability, and environmental responsibility, becoming the preferred partner for industries worldwide.

MISSION

To provide high-quality clay products that meet diverse global demands, leveraging our expertise, state-of-the-art processes, and ethical practices. We are committed to customer satisfaction, sustainable growth, and contributing positively to the communities and environments in which we operate.



ENVIRONMENT, HEALTH & SAFETY POLICY STATEMENT

Health and Safety

We prioritize the health and safety of our employees, contractors, and visitors. By fostering a culture of safety, providing regular training, and implementing robust safety measures, we aim to ensure a hazard-free workplace and promote overall well-being.

Environment

We are committed to minimizing our environmental impact through sustainable mining practices, efficient resource management, and strict adherence to environmental regulations. Protecting and preserving the ecosystems around us is a core responsibility.

Customer Focus

We ensure that our products and practices align with the highest EHS standards to meet and exceed customer expectations. By maintaining safe operations and sustainable practices, we build trust and deliver long-term value to our clients.

Continuous Improvement

We strive for excellence by regularly reviewing and improving our EHS policies and processes. Through innovation, stakeholder collaboration, and proactive risk management, we aim to achieve ongoing enhancement of our performance in health, safety, and environmental stewardship.

Expolica Ceramics is dedicated to integrating health, safety, and environmental considerations into every aspect of our operations, ensuring a sustainable future for all.

QUALITY POLICY STATEMENT

Commitment

We are dedicated to delivering premium quality products and services, consistently exceeding customer expectations and adhering to all regulatory standards.

Quality Management

Our robust Quality Management System ensures reliability, consistency, and continuous alignment with international standards.

Continuous Improvement

We embrace innovation and regularly refine processes to enhance efficiency, effectiveness, and overall quality.

Customer Focus

Customer satisfaction drives us. We prioritize understanding and addressing client needs while fostering trust and long-term relationships.

Responsibility and Integrity

We operate ethically, promoting sustainable practices and accountability while upholding fairness and transparency in all our actions.

This policy reinforces our commitment to excellence and positions us as a trusted leader in the clay export industry.

OUR APPROACH TOWARDS CORPORATE SOCIAL RESPONSIBILITY

Environmental Responsibility

At Expolika Ceramics, we are committed to sustainable practices that protect and preserve the environment. Our operations focus on reducing waste, conserving resources, and promoting eco-friendly initiatives to minimize our ecological footprint.

Ethical Sourcing

We ensure that all materials are sourced responsibly, adhering to ethical standards and regulations. By maintaining transparency and integrity in our supply chain, we support fair practices and sustainable development.

Community Engagement

We actively contribute to the communities where we operate, supporting local initiatives, infrastructure development, education, and skill-building programs. Our goal is to foster meaningful, long-lasting relationships and uplift the areas we impact.

Employee Well-Being

Our employees are our greatest asset. We prioritize their health, safety, and professional growth through robust wellness programs, skill development opportunities, and fostering a positive work environment.

Continuous Improvement

We continuously evaluate and improve our CSR practices, integrating feedback and adopting innovative solutions to ensure that we uphold our commitment to creating a positive impact on society and the environment.

PRODUCTS



Ball Clay



Bentonite Clay



Ceramic Binder



White Clay



Kaolin Clay



Talc



Levigated China Clay



Potash Feldspar



Quartz



Silica Sand



Soda Feldspar



CERAMIC BINDER



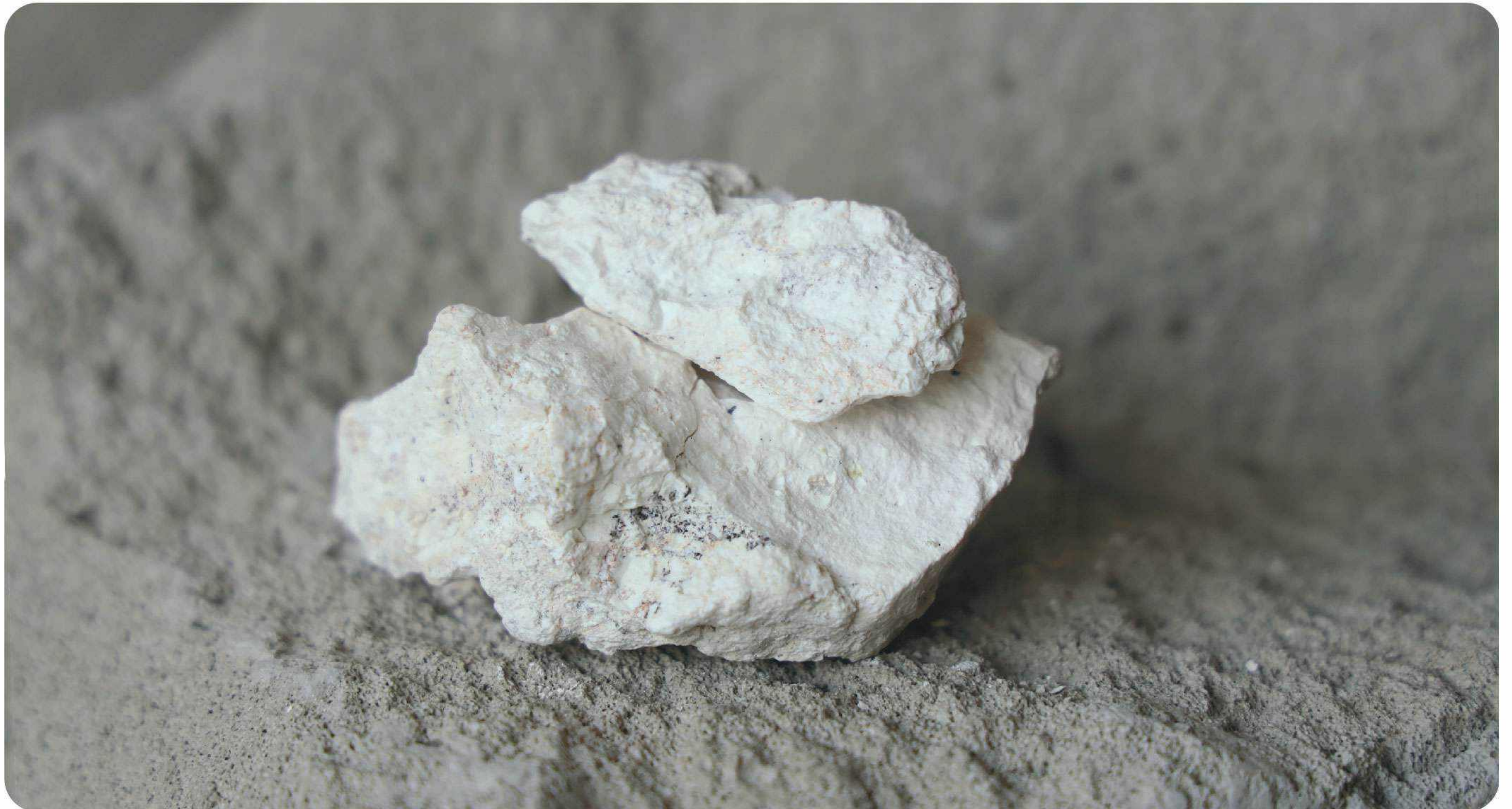
Ceramic Binder is a vital material used to enhance the strength and cohesion of ceramic products during manufacturing. It improves moldability and helps achieve smooth, durable finishes in ceramics and tiles. Our high-quality Ceramic Binder ensures excellent performance, meeting global standards for various industrial and creative applications.

BALL CLAY



| CHEMICAL ANALYSIS | BC-999 | BC-111 | RG6 CLAY | HIGH PLASTIC CLAY | BC-20 | ALKALI CLAY | PB-555 |
|--------------------------------|-----------|-----------|-----------|-------------------|-----------|-------------|-----------|
| SiO ₂ | 62.40 | 59.51 | 51.89 | 49.16 | 50.72 | 70.40 | 52.21 |
| Al ₂ O ₃ | 24.58 | 26.25 | 31.61 | 31.52 | 29.99 | 17.55 | 31.36 |
| Fe ₂ O ₃ | 1.12 | 1.25 | 1.16 | 1.29 | 1.81 | 1.35 | 1.12 |
| TiO ₂ | 1.35 | 2.45 | 1.27 | 1.05 | 2.82 | 1.14 | 1.01 |
| CaO | 0.40 | 0.29 | 0.95 | 1.80 | 0.32 | 0.35 | 1.03 |
| MgO | 0.25 | 0.31 | 0.39 | 0.42 | 0.41 | 0.22 | 0.46 |
| K ₂ O | 0.19 | 0.93 | 1.22 | 1.35 | 0.95 | 3.55 | 1.16 |
| Na ₂ O | 0.12 | 0.25 | 0.41 | 0.45 | 0.36 | 0.54 | 0.39 |
| LOI | 9.40 | 9.23 | 11.08 | 13.20 | 11.49 | 5.80 | 11.55 |
| PHYSICAL ANALYSIS | | | | | | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 | 1205/1220 | 1205/1220 | 1205/1220 | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Whiteness | 72.22 | 67.78 | 64.78 | 54.31 | 41.59 | 35.95 | 73.81 |
| L* | 87.40 | 83.61 | 81.55 | 76.65 | 68.40 | 60.35 | 86.85 |
| a* | 1.45 | 1.97 | 0.97 | 1.17 | 2.45 | 3.55 | 0.73 |
| b* | 8.51 | 14.78 | 14.06 | 13.82 | 16.47 | 13.48 | 12.07 |
| Shrinkage | 3.48 | 8.95 | 12.37 | 12.98 | 15.11 | 14.85 | 13.47 |
| Dry M.O.R | 20.41 | 22.85 | 27.65 | 30.45 | 28.96 | 25.47 | 29.65 |
| Fired M.O.R | 195.84 | 310.58 | 360.55 | 380.50 | 385.74 | 440.90 | 340.56 |
| Water Absorption | 11.72 | 4.65 | 0.95 | 0.40 | 0.25 | NIL | 2.55 |
| Water of Plasticity | 32.45 | 34.45 | 36.79 | 40.25 | 38.85 | 34.88 | 49.55 |
| Residue (240# 2Min Grinding) | 0.90 | 0.38 | 0.22 | 0.09 | 0.18 | 0.54 | 0.25 |
| T.D.S | 300.00 | 460.00 | 560.00 | 880.00 | 640.00 | 590.00 | 750.00 |

BENTONITE CLAY



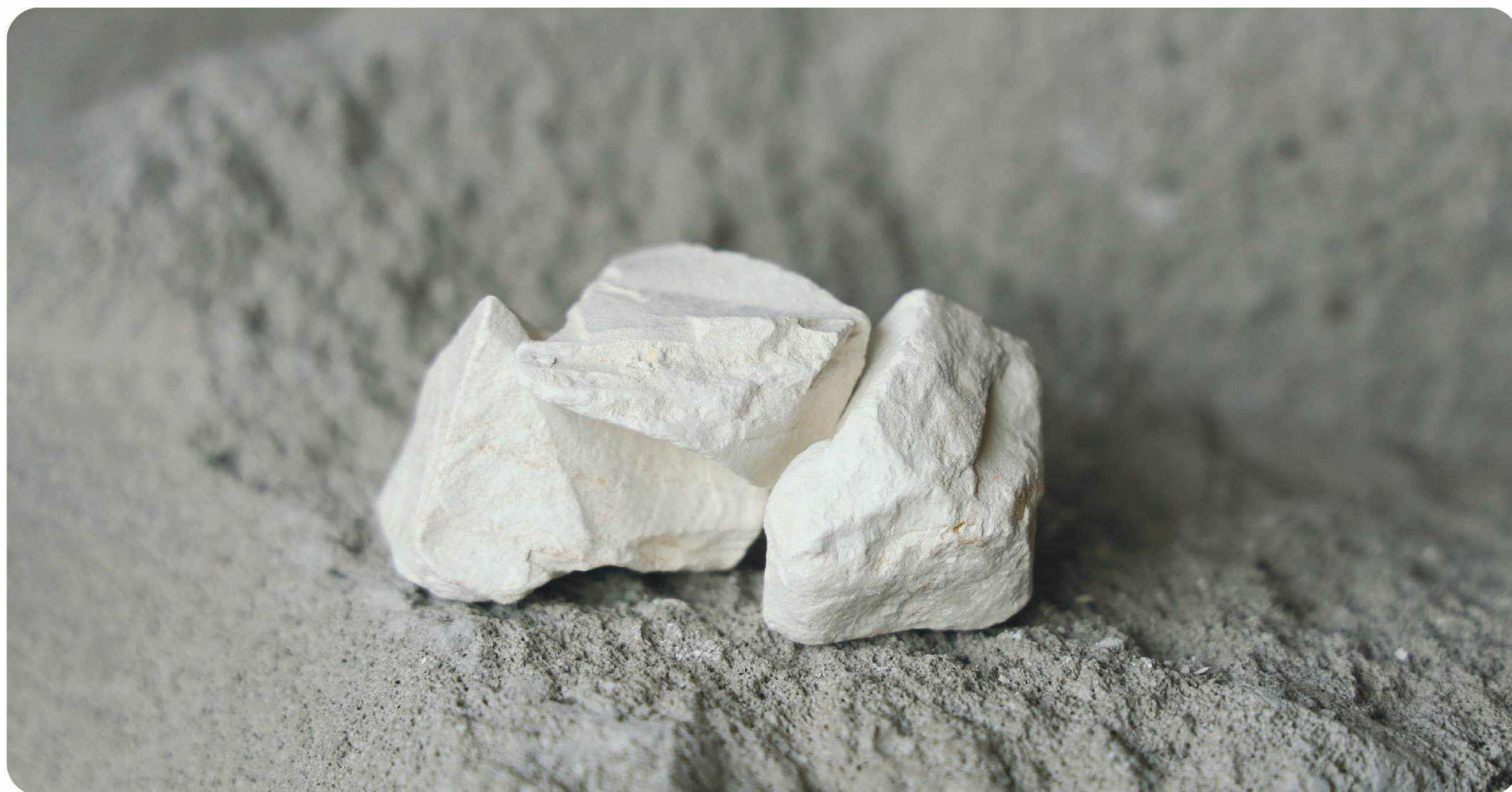
| CHEMICAL ANALYSIS | WHITE BENTONITE |
|--------------------------------|-----------------|
| SiO ₂ | 84.16 |
| Al ₂ O ₃ | 8.23 |
| Fe ₂ O ₃ | 1.17 |
| TiO ₂ | 0.67 |
| CaO | 0.28 |
| MgO | 0.21 |
| K ₂ O | 0.23 |
| Na ₂ O | 0.69 |
| LOI | 4.29 |
| PHYSICAL ANALYSIS | |
| TEMPERATURE C | 1205/1220 |
| Cycle Min | 60 |
| Whiteness | 83.28 |
| L* | 91.08 |
| a* | 0.47 |
| b* | 8.65 |
| Shrinkage | 4.88 |
| Dry M.O.R | 37.65 |
| Fired M.O.R | 148.55 |
| Water Absorption | 23.75 |
| Water of Plasticity | 82.59 |
| T.D.S | 1550.00 |

Bentonite clay is a highly absorbent and versatile natural material prized across industries like construction, agriculture, cosmetics, and environmental remediation. Its unique properties, such as swelling capacity, viscosity, and binding strength, make it invaluable in applications ranging from drilling mud and foundry sand to skincare and soil conditioning.

At Expolca Ceramics, we excel in exporting top-grade bentonite clay to meet the demands of our global clients. Sourced from our own mines, our bentonite undergoes strict quality checks to ensure optimal performance and consistency. We are committed to sustainability, employing eco-friendly mining practices while maintaining high production efficiency.

Our experienced team ensures timely delivery and customized solutions, making Expolca a trusted partner for industries worldwide. With a reputation for reliability and superior quality, we stand out in the competitive market.

WHITE CLAY



| CHEMICAL ANALYSIS | SUPER WHITE CLAY | WHITE CLAY |
|--------------------------------|------------------|------------|
| SiO ₂ | 47.74 | 48.45 |
| Al ₂ O ₃ | 35.78 | 34.43 |
| Fe ₂ O ₃ | 0.81 | 0.97 |
| TiO ₂ | 1.27 | 1.17 |
| CaO | 0.86 | 0.65 |
| MgO | 0.32 | 0.28 |
| K ₂ O | 0.48 | 0.76 |
| Na ₂ O | 0.28 | 0.34 |
| LOI | 13.71 | 12.75 |
| PHYSICAL ANALYSIS | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 |
| Whiteness | 83.05 | 81.42 |
| L* | 91.02 | 88.43 |
| a* | 0.01 | 0.64 |
| b* | 8.65 | 9.15 |
| Shrinkage | 12.62 | 10.40 |
| Dry M.O.R | 28.55 | 24.50 |
| Fired M.O.R | 266.45 | 250.38 |
| Water Absorption | 3.89 | 7.48 |
| Water of Plasticity | 36.85 | 35.91 |
| T.D.S | 330.00 | 550.00 |

White clay, renowned for its purity and versatility, is a cornerstone in ceramics, cosmetics, and industrial applications. Its fine texture, excellent plasticity, and high silica content make it ideal for creating smooth, durable finishes and skin-friendly formulations. At Expolca Ceramics, we pride ourselves on being industry leaders in white clay export. With five strategically located mines and rigorous quality control, we ensure only the finest grade reaches our global clientele. Our commitment to consistency, sustainability, and customer satisfaction sets us apart. Trust Expolca for premium white clay that exceeds expectations in every application. Quality mined and delivered with expertise.

KAOLIN CLAY



| CHEMICAL ANALYSIS | K-20 | K-22 | K-24 |
|--------------------------------|-----------|-----------|-----------|
| SiO ₂ | 49.22 | 48.19 | 47.30 |
| Al ₂ O ₃ | 35.16 | 36.10 | 37.15 |
| Fe ₂ O ₃ | 0.39 | 0.27 | 0.22 |
| TiO ₂ | 1.10 | 0.95 | 0.80 |
| CaO | 0.26 | 0.21 | 0.25 |
| MgO | 0.31 | 0.15 | 0.20 |
| K ₂ O | 0.23 | 0.22 | 0.25 |
| Na ₂ O | 0.18 | 0.12 | 0.10 |
| LOI | 12.62 | 13.02 | 13.55 |
| PHYSICAL ANALYSIS | | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 | 60 |
| Whiteness | 85.84 | 87.91 | 90.57 |
| L* | 94.39 | 95.33 | 96.45 |
| a* | 0.91 | 0.68 | 0.36 |
| b* | 3.52 | 3.10 | 2.70 |
| Shrinkage | 5.12 | 5.31 | 4.80 |
| Dry M.O.R | N/A | N/A | N/A |
| Fired M.O.R | 81.25 | 77.30 | 58.65 |
| Water Absorption | 17.60 | 20.16 | 21.95 |
| Water of Plasticity | 34.50 | 33.80 | 35.45 |
| T.D.S | 190.00 | 185.00 | 150.00 |

Kaolin clay is the cornerstone of premium products, celebrated for its unmatched purity and smooth, fine texture. Its brilliant whiteness and stability make it indispensable for industries like ceramics, paper, paints, and cosmetics. When precision and performance matter, kaolin clay elevates your products to the next level.

Kaolin Clay Noodles are high-purity, refined clay used in ceramics, paper, and paint industries. Their fine texture and excellent plasticity enhance the strength, whiteness, and smoothness of products. Our premium Kaolin Clay Noodles meet global standards, ensuring superior performance and consistency across various industrial and creative

TALC



| CHEMICAL ANALYSIS | SUPER TALC | TC-10 |
|------------------------------------|------------|-----------|
| SiO₂ | 47.51 | 69.15 |
| Al₂O₃ | 9.15 | 4.48 |
| Fe₂O₃ | 2.49 | 1.43 |
| TiO₂ | 0.29 | 0.02 |
| CaO | 0.95 | 1.35 |
| MgO | 28.85 | 18.85 |
| K₂O | 0.12 | 0.06 |
| Na₂O | 0.35 | 1.35 |
| LOI | 9.55 | 3.19 |
| PHYSICAL ANALYSIS | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 |
| Whiteness | 66.72 | 52.10 |
| L* | 83.55 | 77.18 |
| a* | 2.78 | 2.64 |
| b* | 14.75 | 6.35 |
| Shrinkage | 2.55 | 12.17 |

Talc is a highly adaptable mineral used in industries like cosmetics, ceramics, and paints for its softness, absorbency, and heat resistance. At Expollica Ceramics, we take pride in exporting high-quality talc sourced from our carefully managed mines. Our processes ensure consistent quality and purity, meeting global standards for diverse applications. With a focus on efficient logistics, reliability, and sustainable practices, we deliver talc that businesses can depend on. Whether for industrial or specialized use, Expollica's talc stands out for its quality and performance, making us a trusted supplier in the global market.

LEVIGATED CHINA CLAY



Levigated China Clay is a premium, refined material known for its high purity, fine texture, and low iron content. Ideal for ceramics, paper, rubber, and paints, it offers excellent plasticity and whiteness. Processed to international standards, it ensures superior performance, making it perfect for crafting high-quality industrial and artistic products.

| CHEMICAL ANALYSIS | LC-85 | LC-88 | LC-91 | LC-93 |
|--------------------------------|-----------|-----------|-----------|-----------|
| SiO ₂ | 54.71 | 52.80 | 51.35 | 49.08 |
| Al ₂ O ₃ | 30.85 | 32.45 | 33.67 | 35.49 |
| Fe ₂ O ₃ | 0.95 | 0.80 | 0.56 | 0.45 |
| TiO ₂ | 1.44 | 1.31 | 1.25 | 1.10 |
| CaO | 0.21 | 0.26 | 0.21 | 0.28 |
| MgO | 0.15 | 0.18 | 0.23 | 0.24 |
| K ₂ O | 0.22 | 0.24 | 0.13 | 0.09 |
| Na ₂ O | 0.14 | 0.19 | 0.11 | 0.16 |
| LOI | 10.70 | 11.45 | 12.12 | 12.82 |
| PHYSICAL ANALYSIS | | | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 | 60 | 60 |
| Whiteness | 65.19 | 68.10 | 78.56 | 83.95 |
| L* | 84.17 | 86.40 | 91.23 | 93.38 |
| a* | 1.84 | 1.58 | 1.35 | 0.86 |
| b* | 4.74 | 4.25 | 3.43 | 3.15 |
| Shrinkage | 5.19 | 4.95 | 4.71 | 4.11 |
| Dry M.O.R | 13.50 | 12.40 | N/A | N/A |
| Fired M.O.R | 165.45 | 155.78 | 85.40 | 80.55 |
| Water Absorption | 12.45 | 13.66 | 15.55 | 16.40 |
| Water of Plasticity | 35.12 | 34.51 | 33.65 | 34.15 |
| T.D.S | 390.00 | 370.00 | 340.00 | 365.00 |

POTASH FELDSPAR



| CHEMICAL ANALYSIS | PF-10 | PF-20 | PF-55 |
|--------------------------|-----------|-----------|-----------|
| SiO2 | 74.22 | 70.75 | 69.40 |
| Al2O3 | 14.61 | 15.83 | 17.05 |
| Fe2O3 | 0.31 | 0.25 | 0.14 |
| TiO2 | 0.11 | 0.07 | 0.05 |
| CaO | 0.32 | 0.24 | 0.21 |
| MgO | 0.15 | 0.18 | 0.11 |
| K2O | 6.18 | 8.55 | 10.82 |
| Na2O | 3.72 | 1.86 | 1.30 |
| LOI | 0.35 | 0.95 | 0.48 |
| PHYSICAL ANALYSIS | | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 | 60 |
| Whiteness | 46.50 | 49.48 | 56.23 |
| L* | 73.56 | 75.60 | 79.35 |
| a* | 3.72 | 3.35 | 3.24 |
| b* | 6.21 | 5.06 | 5.43 |
| Shrinkage | 14.05 | 15.10 | 15.42 |
| Water Absorption | NIL | NIL | NIL |

Potash Feldspar is a key mineral in ceramics, glass, and glaze manufacturing, known for its excellent fluxing properties and high potassium content. It enhances product strength, durability, and smooth finishes. Exported in premium quality, our Potash Feldspar meets global standards, delivering exceptional results for industrial and creative applications worldwide.

QUARTZ



| CHEMICAL ANALYSIS | WHITE QUARTZ | SNOW WHITE QUARTZ |
|------------------------------------|--------------|-------------------|
| SiO₂ | 98.69 | 99.59 |
| Al₂O₃ | 1.09 | 0.18 |
| Fe₂O₃ | 0.04 | 0.02 |
| TiO₂ | Trace | Trace |
| CaO | 0.02 | 0.05 |
| MgO | 0.05 | 0.01 |
| K₂O | 0.04 | 0.02 |
| Na₂O | 0.49 | 0.03 |
| LOI | 0.29 | 0.08 |
| PHYSICAL ANALYSIS | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 |
| Whiteness | 91.78 | 92.55 |
| L* | 96.81 | 97.33 |
| a* | 0.19 | 0.17 |
| b* | 1.99 | 1.75 |
| Shrinkage | 0.23 | 0.31 |

Quartz is a versatile mineral valued for its hardness, durability, and precision, making it essential in industries like electronics, construction, and glass manufacturing. Its purity and resistance to heat and chemicals make it a preferred choice for high-performance applications.

At Expolca Ceramics, we specialize in exporting premium-quality quartz tailored to meet diverse industrial needs. Sourced from our own mines, our quartz undergoes meticulous processing to ensure consistent quality and purity. With a strong focus on efficient logistics and customer satisfaction, we deliver unmatched reliability. Expolca Ceramics is your trusted partner for top-tier quartz, ensuring superior results worldwide.

SILICA SAND



| CHEMICAL ANALYSIS | SS-A | SS-B |
|------------------------------------|-----------------|---------|
| SiO₂ | 99.0 % MIN | > 98.00 |
| Al₂O₃ | < 0.3 | < 0.7 |
| Fe₂O₃ | < 0.015 | < 0.045 |
| TiO₂ | < 0.03 | < 0.03 |
| CaO | < 0.05 | < 0.05 |
| MOISTURE | < 5% | < 5% |
| GRAIN SIZE | 8,16,24,30 MESH | |

Silica sand is a vital raw material for industries like glassmaking, construction, and water filtration, valued for its high silica content and uniform grain size. At Expolica Ceramics, we take pride in exporting premium-grade silica sand sourced from our carefully managed mines. Our rigorous processing ensures exceptional purity and consistency to meet global industrial standards. With efficient logistics, sustainable practices, and a commitment to quality, Expolica is the trusted choice for reliable silica sand solutions worldwide.

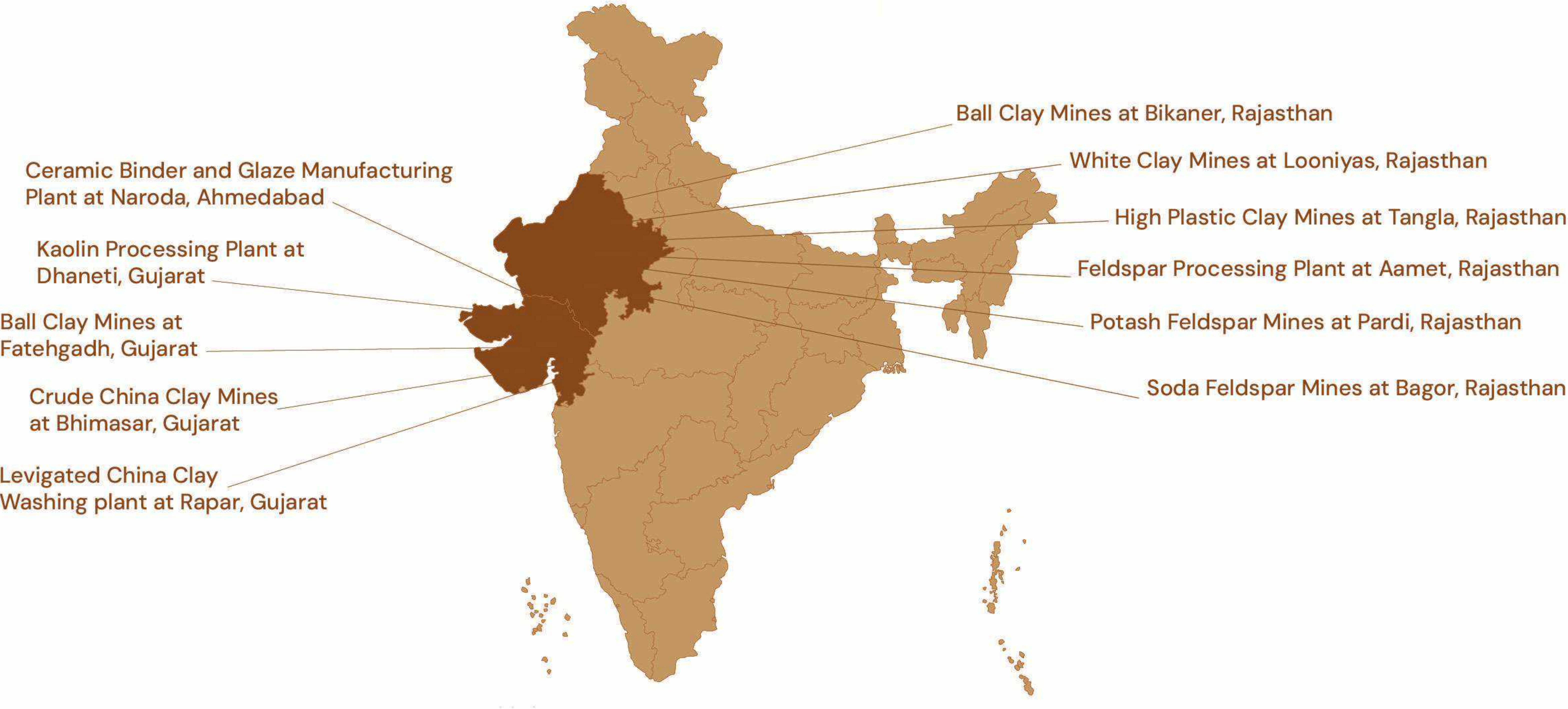
SODA FELDSPAR



| CHEMICAL ANALYSIS | SF-10 | SF-20 | SF-55 |
|------------------------------------|-----------|-----------|-----------|
| SiO₂ | 76.40 | 74.26 | 70.05 |
| Al₂O₃ | 14.30 | 15.03 | 17.30 |
| Fe₂O₃ | 0.30 | 0.24 | 0.17 |
| TiO₂ | 0.15 | 0.12 | 0.08 |
| CaO | 0.40 | 0.39 | 0.52 |
| MgO | 0.15 | 0.09 | 0.22 |
| K₂O | 0.50 | 0.74 | 0.60 |
| Na₂O | 7.20 | 8.50 | 10.30 |
| LOI | 0.35 | 0.44 | 0.65 |
| PHYSICAL ANALYSIS | | | |
| TEMPERATURE C | 1205/1220 | 1205/1220 | 1205/1220 |
| Cycle Min | 60 | 60 | 60 |
| Whiteness | 45.80 | 52.10 | 57.41 |
| L* | 72.40 | 77.18 | 80.60 |
| a* | 2.80 | 2.64 | 1.45 |
| b* | 6.93 | 6.35 | 5.60 |
| Shrinkage | 11.55 | 12.17 | 12.85 |
| Water Absorption | NIL | NIL | NIL |

Soda Feldspar is a versatile mineral widely used in ceramics, glass, and glaze formulations. Known for its high melting point and excellent fluxing properties, it enhances durability and strength in finished products. Exported in premium quality, our soda feldspar ensures optimal performance for industrial and artistic applications worldwide. standards. When you partner with us, you benefit from our unwavering commitment to delivering exceptional products and service, every time.

OUR MINES AND PROCESSING PLANTS



MAJOR CLIENTS



and many more...

Head Office

Ganesh Meridian, Opp
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