TRADEXBAY®

SATISFACTION BEYOND EXPECTATIONS



ISO 9001:2015 Certified Company

FASTEST GROWING COMPANY IN **INDUSTRIAL MINERALS**

MANUFACTURER & EXPORTER OF

HIGH PURITY KAOLIN CLAY, SILICA SAND & QUARTZ POWDER

www.**tradexbay**.com

Core **Values**

Our **Mission**

"To Deliver competitively priced raw materials that meet our customers' needs, while offering excellent service and support that is available 24/7. We strive to be a trusted partner in helping our customers create their final products."

Our **Vision**

"To be a leading provider of high-quality raw materials, recognized for our unwavering commitment to customer satisfaction, innovation, and sustainability. We aim to build lasting partnerships with our customers and contribute to a better world through our products and services."

Why We

Quality

We take great pride in the quality of our materials, ensuring that they meet or exceed our customers' specifications & are consistent in every shipment.

Sustainability

We are dedicated to reducing our environmental impact by sourcing responsibly, conserving resources and adopting eco-friendly production practices.

Competitive Pricing

We understand the importance of staying competitive in today's market, which is why we offer fair and competitive pricing for our materials.

Experience

With years of experience in the industry, we have the knowledge and expertise to provide guidance and advice to our customers.

Additional **Information**

1. **Payment Terms:** We accept Cash in Advance and irrevocable LC at sight.
2. **Customized Packing:** Options include 25/50 kg bags, jumbo bags, or bulk loose.
3. **Transportation:** We offer road, sea, and air transportation options.
4. **Port of Loading:** Located in Gujarat, India, with access to Mundra and Kandla Port.
5. **Commitment:** High-quality materials, competitive pricing, and excellent customer service.

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About Company

Manufacturer & Exporter of Industrial Minerals

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TRADEXBAY has established its dominance in the Indian Mineral Industry, possessing extensive domain knowledge and abundant resources. As a reputed manufacturer, exporter, and supplier of world-class mineral products, we are located in Rajkot, Gujarat, India, with mines spread across Gujarat and Rajasthan. Our strategic location provides access to rich mines and sea ports like Mundra, Kandla, and Pipavav, resulting in low mining & transportation costs.

We offer premium quality minerals like Silica Sand, Kaolin Clay, and Quartz Sand, which play a crucial role in many end-user applications. Our range of minerals has been creating waves in the market, owing to their unmatched purity and effectiveness.

Our immense success is attributed to our team of adept professionals, who diligently work towards achieving our organizational mission. We have highly experienced mining consultants, technicians, engineers, quality engineers, sales, and marketing personnel. Our mining consultants are proficient in undertaking mining operations and ensuring the complete safety of the workers involved.

Furthermore, we possess spacious warehouses, stockyards, & have good tie-ups with Ship liners, CFS, and CHA agencies, resulting in enhanced effectiveness in our operations. We strive to provide the best quality minerals to our clients & continuously improve our processes to meet their evolving needs.



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Hydrous Kaolin

Kaolin, Hydrous form is known for its fine particle size, high brightness, and flow properties. Our company produces high-quality fine and ultra-fine grades of Hydrous Kaolin for use in various industries including paints, paper, printing inks, paperboard, rubber, and more.





Calcined Kaolin

Calcined Kaolin is created through the process of calcination of high-purity kaolin clay at medium to high temperatures, depending on the intended use and customer requirements. This product is widely used in a variety of applications worldwide and has a broad range of applications.

GradeName	TX-9.1	TX-0.15	TX-1.15	TX-2.15	TX-Glow	TX-Glitter
POW.BR(%)(ISO)	91±1	92±1	93±1	94±1	94±1	95±1
BULKDENSITY (GMS/LIT)	330-360	330-340	320-340	280-380	280-320	280-300
RESIDUE(500#)	0.2%(400#)	0.2%MAX	0.2%MAX	0.2%MAX	0.2%MAX	0.2%MAX
%BELOW2 MICRON	60-65	60-67	67-75	67-75	80-85	80-90
%L.O.I.	0.5MAX	0.5MAX	0.5MAX	0.5MAX	0.5MAX	0.5MAX

Refractory Clay

Refractory Clay or Calcined Clay is produced through the process of Calcination, which involves heating high-quality Clay to temperatures ranging from 850 to 1600 degrees Celsius. This process removes moisture and other volatile components, resulting in an increase in Alumina content. While raw Clay typically has an Alumina content of 30-40%, Calcined Clay boasts a content of 40-60%. The Calcination process is carried out using Rotary Kilns, and the temperature used can vary based on the specific

GradeName	TX-43	TX-43(M)	TX-50	TX-50(M)	TX-60
Al_2O_3 %	43±1	43±1	50±1	50±1	60±1
Fe_2O_3 %	1.3±0.2	1.3±0.1	1.4±0.2	1.4±0.1	1.7±0.2
AP % MAX	10	6	10	6	10
BD GM/CC	2.4±0.05	2.42±0.05	2.5±0.05	2.52+0.05	2.6±0.05
PCE o/c	31-32	32-33	33-34	33-34	34-36

Kaolin Clay Specification

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Parameter	TX-96 (NOODLES)	TX - 95 (M)	TX - 94	TX - 92	TX - 90	1RL
Loss of Ignition	13.56	13.81	14.82	13.31	13.19	10.85
Silica as SiO_2	45.85	48.1	47.57	45.9	46.4	51.62
Iron as Fe_2O_3	0.29	0.3	0.35	0.536	0.3	1.53
Alumina as Al_2O_3	38.99	35.43	35.48	38.7	38.19	33.77
Potash as K_2O	0.047	0.2	0.035	0.067	0.083	0.21
Soda as Na_2O	0.048	0.24	0.051	0.0396	0.1	0.14
Calcium as CaO	Trace	0.31	0.15	Trace	Trace	Trace
Magnesium as MgO	0.097	0.32	0.107	0.109	0.17	0.29
Titanium as TiO_2	0.85	1.28	1.18	1.1	1.29	1.32
Firing Whiteness	92	87.59	89.2	89.9	81.6	63
L-Value	95.89	94.54	95.33	94.83	93.07	87.71
a-Value	0.4	1.23	0.56	0.65	0.72	1.72
b-Value	3.39	3	3.78	3.3	5.9	11.7
Firing Colour	Snow White	Creamish	White	White	Creamish	Pinkish
Shrinkage	5.8	4.75	5.8	5.2	7.56	9
Fired Temperature °C	1220	1220	1220	1220	1220	1220
Residue on 325#	0.34	0.25	0.36	0.24	0.88	1.08
Water Of Plasticity	36	34	38	41	46	41
Water Absorption	15.56	14.3	15.42	19.24	17.09	15.81
Dry M.O.R Kg/cm²	15	24.31	10	12	10	10
Fired M.O.R Kg/cm³	120	237.66	140	140	145	110

Application

- **Ceramic** Glaze
- **Fiber** Glass
- **Tableware**
- **Paper** Industry
- **Wall & Floor** Tiles
- **Sanitary** Ware
- **Pesticide** Formulation
- **Refractory**
- **Rubber & Paint** Industries
- **Electrical Insulator** Porcelain

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Silica Sand Specification

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Parameters	Grades			
	TX- P	TX- S	TX- R	TX- Q
SiO_2	99.1 % Min	99 % Min	98.5 % Min	99.5 % Min
Al_2O_3	< 0.4 %	< 0.4 %	< 0.6 %	----
Fe_2O_3	< 0.018 %	< 0.030 %	0.060- 0.025 %	0.02 % MAX
CaO	< 0.15 %	< 0.15 %	< 0.15 %	---
TiO_2	< 0.05 %	<0.06%	< 0.05 %	---
Moisture	NIL	0- 5 %	0- 5 %	NIL
Process	Dry	Wet &Dry	Wet &Dry	Dry
Grain Size	As Per Requirement	As Per Requirement	As Per Requirement	As Per Requirement

Quartz Sand & Powder Specification

Quartz sand is a type of sand composed of quartz particles. It is a key ingredient in the production of glass, ceramics, and other industrial products. Our processing unit is responsible for cleaning, grading, and sorting the quartz sand to ensure it meets the required specifications for various industrial applications.

Sizes: Grits: 0.3-0.6 MM, 0.4-0.8 MM, 0.7-1.2MM, 1.2-2MM, 1-2MM, 2-4MM

Powder: 200 Mesh, 325 Mesh, 400 Mesh, 500 Mesh

Variety: Milky White Quartz, Normal Quartz, Snow White Quartz

Chemical Parameters		
Loss of Ignition (%)	0.5 MAX	0.5 MAX
SiO_2 (%)	99 ± 0.5	99 ± 0.5
Al_2O_3 (%)	0.5 Max	0.5 Max
Fe_2O_3 (%)	<0.05	<0.05
TiO_2 (%)	Trace	Trace
K_2O (%)	0.03	0.03
Na_2O (%)	0.36	0.36
CaO (%)	0.12	0.12
MgO (%)	0.04	0.04

Application

- **Glass** Industries
- **Ceramic** Industries
- **Landscaping**
- **Filtration** Media
- **Sodium Silicate** Industries
- **Rubber & Paint** Industries
- **Power Plants &** Petroleum
- **Construction** Chemical
- **Golf Course & Sport** Ground
- **Foundry**
- **G.R.C & G.R.P** Industries
- **Oil & Petroleum** Industries
- **Ramming** Mass
- **Steel** Industries

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Other Related Products

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1. Bentonite

Bentonite is highly sought after in the global market due to its high quality and purity levels, making it a preferred choice over other brands such as Tradexbay. With several large mining and manufacturing units located near ports, Indian bentonite is exported in large quantities to various parts of the world.

2. Feldspar

Feldspar is a common mineral found in the earth's crust, and India has abundant reserves of feldspar, with mines located in Rajasthan. Feldspar is widely used in various industries, including ceramics, glass, and construction, due to its unique properties such as high melting point, low coefficient of thermal expansion, and chemical inertness.





3. Activated Carbon

Our company offers Activated Carbon in two forms- black powder and granular. Granular Activated Carbon (GAC) is widely popular among clients due to its high purity levels and superior water treatment quality. GAC is produced from a variety of carbonaceous materials such as coal, wood, rice husk, sawdust, lignite, and coconut shell, etc.

4. Talc Powder

Talc powder is a soft and silky mineral that is widely used in various industries. It is chemically inert, water repellent, and has a lamellar structure consisting of platelets. Talc powder is available in various grades and is typically used as a filler, thickening agent, and lubricant in industries such as cosmetics, pharmaceuticals, paints, ceramics, and plastics.





5. Anthracite

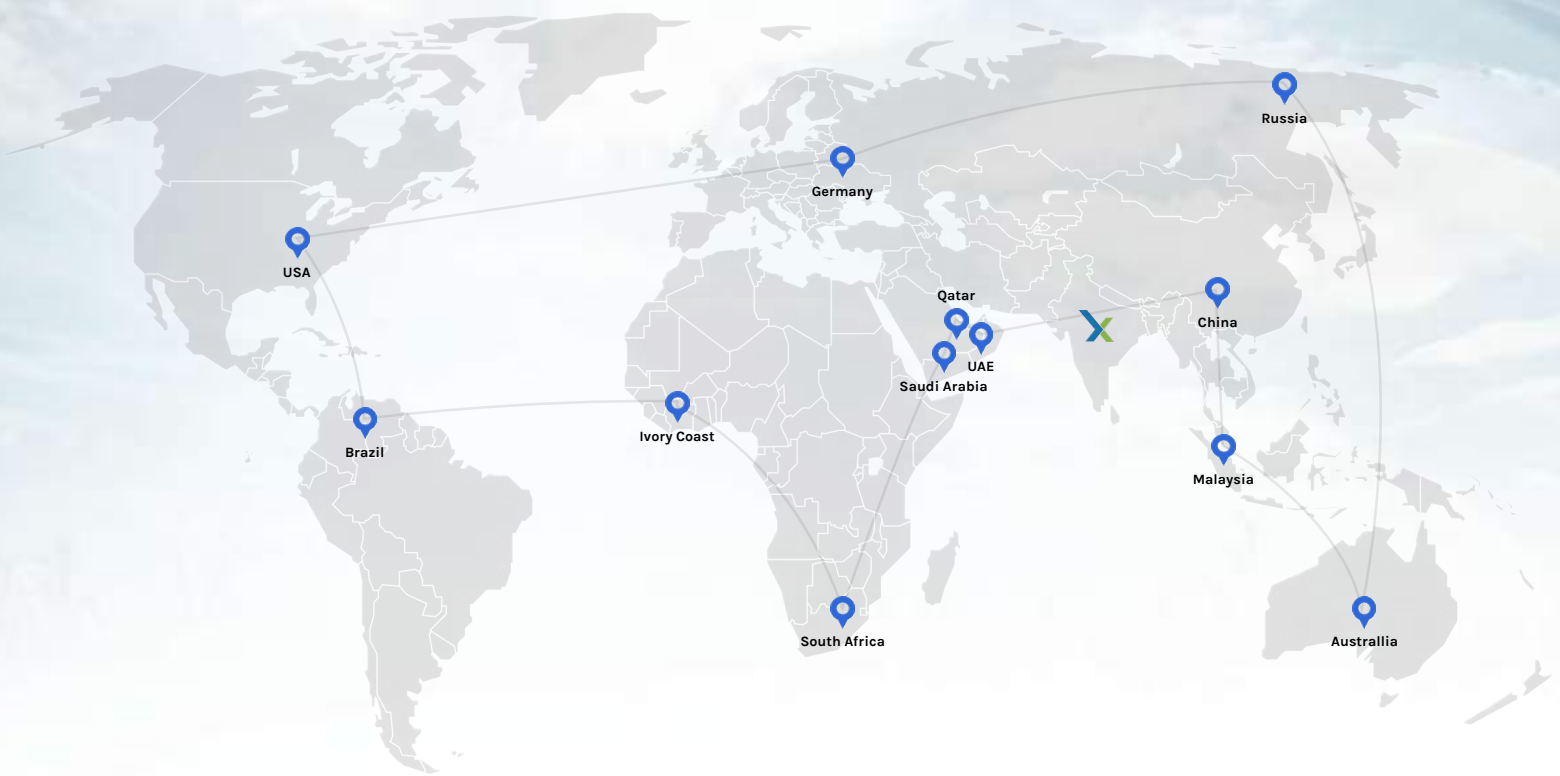
Indian-origin anthracite is a high-quality coal known for its low volatile matter content and high carbon and iodine values. Its excellent properties make it an ideal material for various industrial applications, such as water purification, air and gas filtration, and metal finishing. In water treatment, it is used to remove impurities, chlorine, wastewater.

6. Water Softening Salt

Tradexbay Salt Tablets are a type of salt used for various applications such as water filtration, industrial purposes, and many more. These tablets are made from high-quality salt and are designed to dissolve slowly and evenly, ensuring a consistent flow of treated water.



Our **Global Presence**



100% **Export Oriented Unit (EOU)**

ISO 9001:2015 Certified Company

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