RADHEY KRISHNA MINERALS

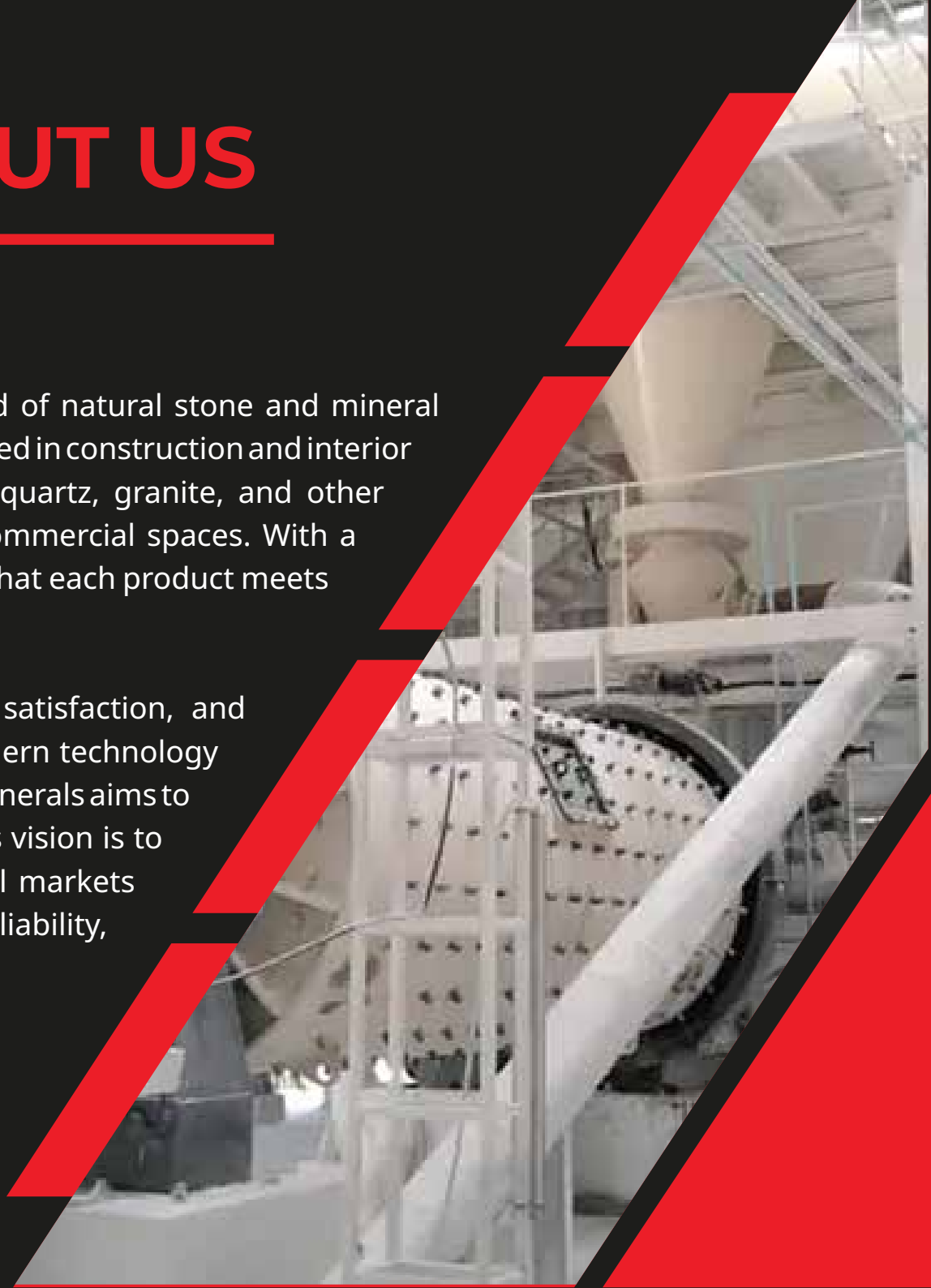
QUARTZ, FELDSPAR, RAMMING MASS & INDUSTRIAL MINERALS

www.radheykrishnaminerals.com

ABOUT US

Radhey Krishna Minerals is a growing name in the field of natural stone and mineral processing, known for supplying high-quality materials used in construction and interior design. The company specializes in products such as quartz, granite, and other decorative stones that enhance both residential and commercial spaces. With a strong focus on quality control and precision, it ensures that each product meets industry standards and customer expectations.

The company is committed to innovation, customer satisfaction, and sustainable practices in its operations. By adopting modern technology and maintaining skilled craftsmanship, Radhey Krishna Minerals aims to deliver durable and aesthetically appealing solutions. Its vision is to expand its presence in both domestic and international markets while building long-term relationships based on trust, reliability, and consistent performance.



OUR VISION

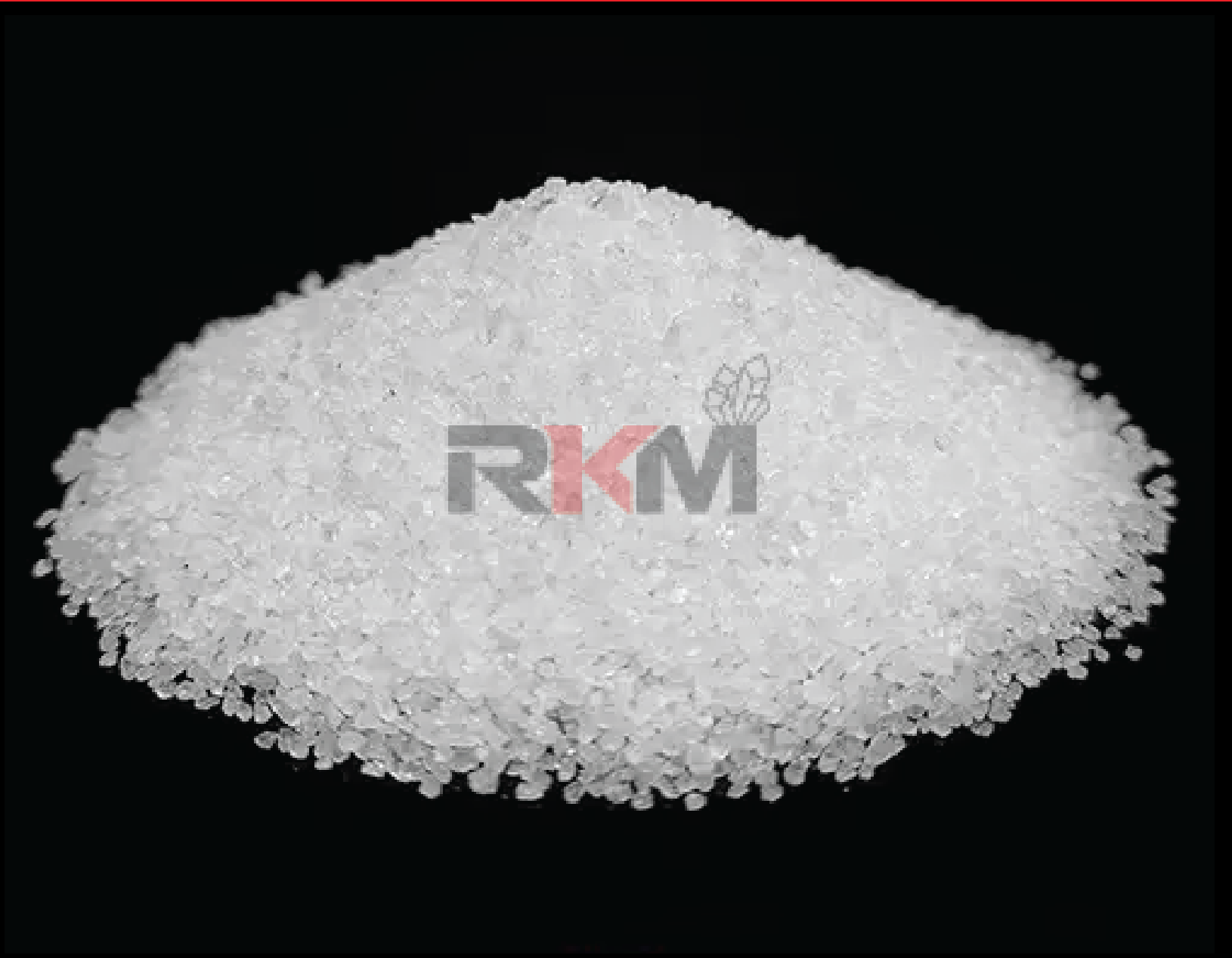
The vision of Radhey Krishna Minerals is to become a trusted leader in the mineral and stone industry by delivering high-quality, innovative products. The company aims to combine advanced technology with skilled craftsmanship to meet modern construction and design needs. It strives to build long-term relationships through reliability, consistency, and customer satisfaction. With a focus on sustainability and excellence, Radhey Krishna Minerals envisions continuous growth in both domestic and global markets.

QUARTZ

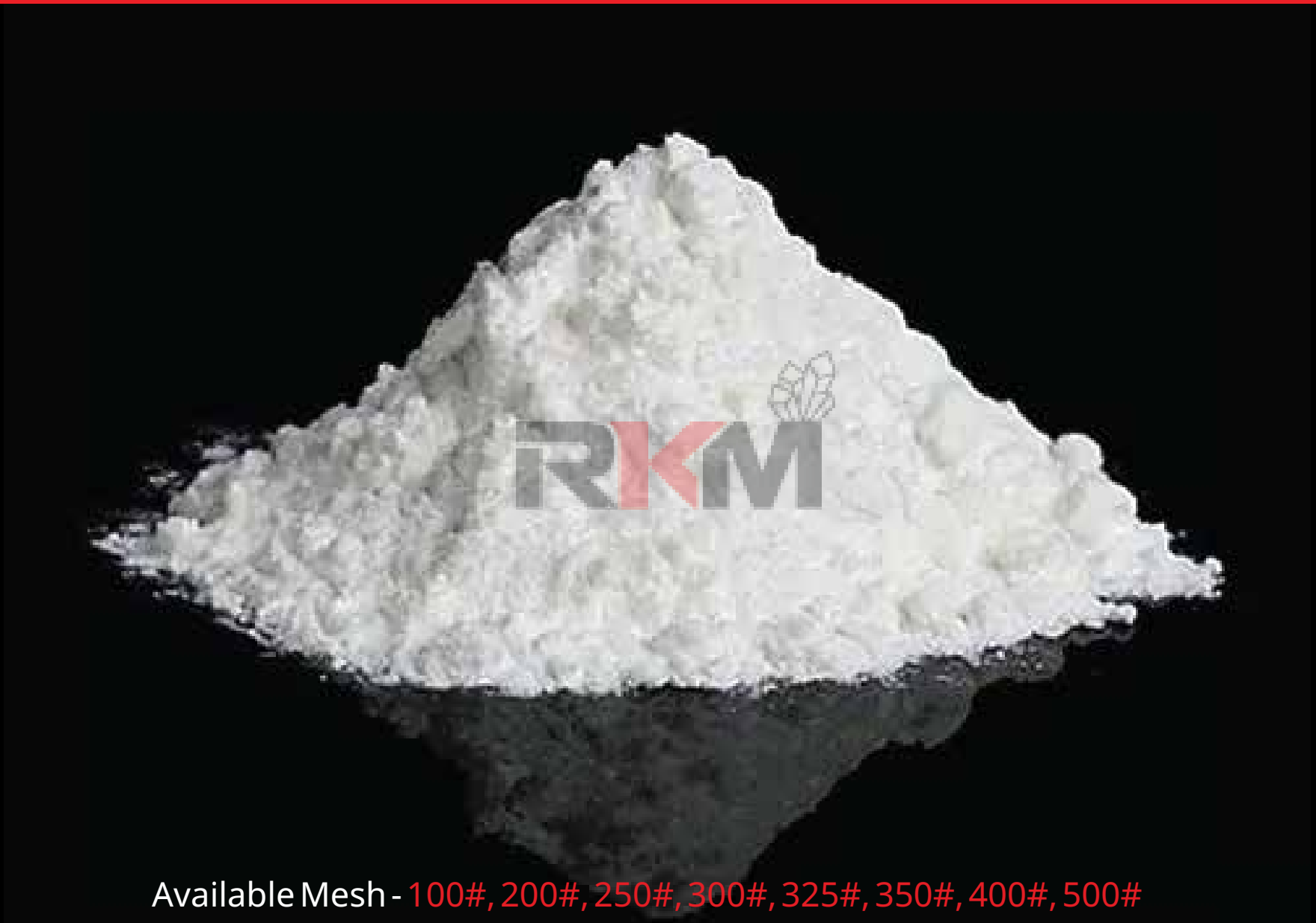
It is a high-quality natural mineral known for its high silica (SiO_2) content, hardness, and chemical stability. It is carefully sourced and processed to maintain purity and consistent particle size, making it suitable for a wide range of industrial applications. The material is available in different forms such as lumps, grains, and powder, ensuring flexibility for various manufacturing requirements. Due to its strong physical and chemical properties like thermal resistance and durability, quartz is considered a reliable raw material in modern industries.

The quartz products are widely used in industries such as glass manufacturing, ceramics, construction, electronics, and metallurgy. It plays a crucial role in producing silicon for solar panels, semiconductors, and metal alloys, which highlights its importance in both traditional and advanced technologies. Additionally, its consistent quality and high purity help improve production efficiency and final product strength, making it an essential mineral for industrial growth and innovation.

QUARTZ GRIT

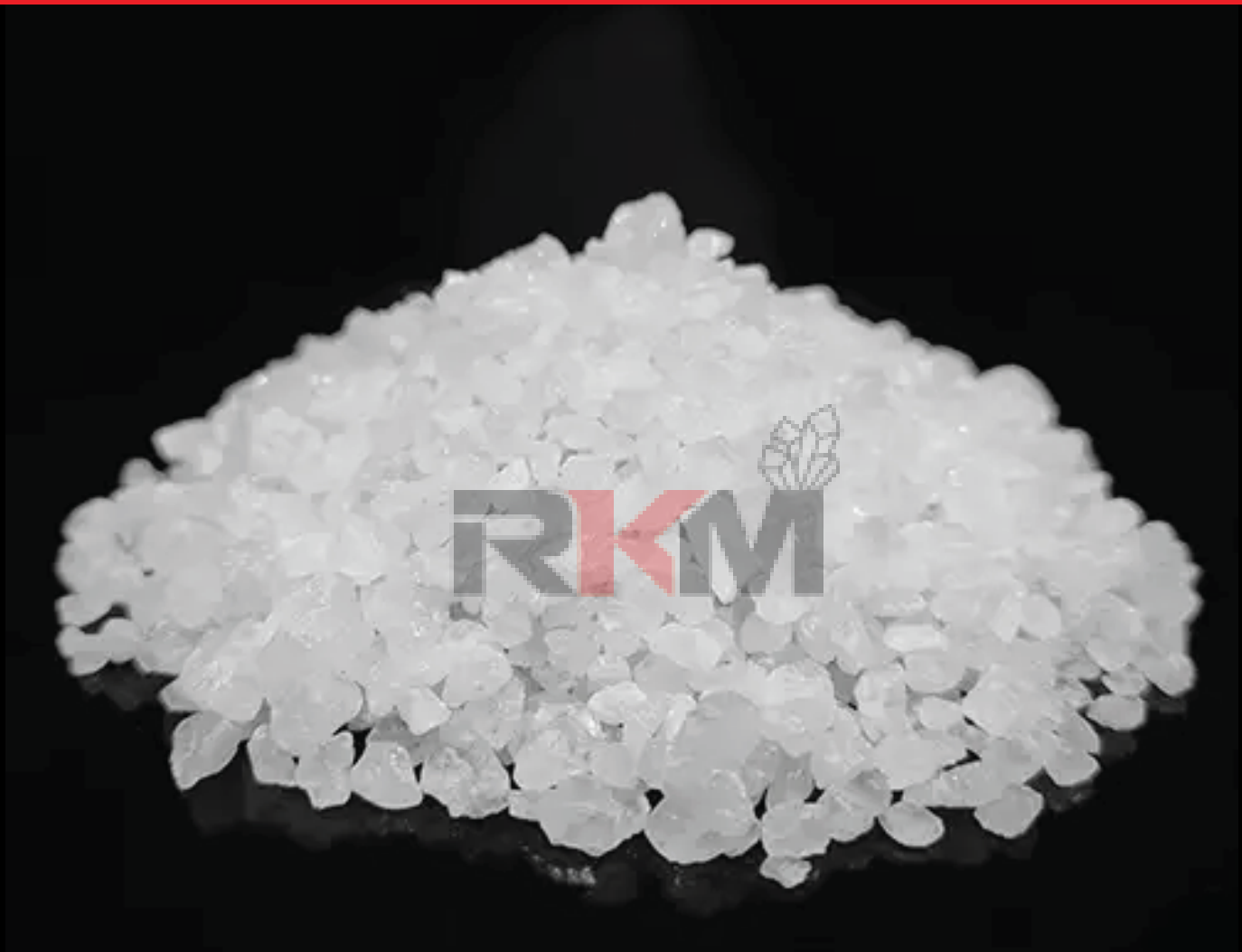


QUARTZ POWDER



Available Mesh - 100#, 200#, 250#, 300#, 325#, 350#, 400#, 500#

QUARTZ GRIT



Available Sizes - 0.1-0.4 mm, 0.3-0.7 mm, 0.6-1.2 mm, 1.2-2.5 mm, 2.5-4 mm

QUARTZ

Physical Parameters

Color	White/Transparent
Luster	Glassy/Amorphous
Clarity	Transparent/Translucent/Opaque
Tenacity	Brittle
MoH's Hardness	7.5 - 7.8
Specific Gravity ($T/M^{3)}$	2.8 - 2.9

QUARTZ

Chemical Parameters

SiO_2	98.82%
Al_2O_3	0.01%
Fe_2O_3	0.01%
CaO	0.01%
MgO	TRACE
Na_2O	TRACE
K_2O	TRACE
TiO_2	TRACE
MnO	TRACE

QUARTZ

Specification of 1st Grade

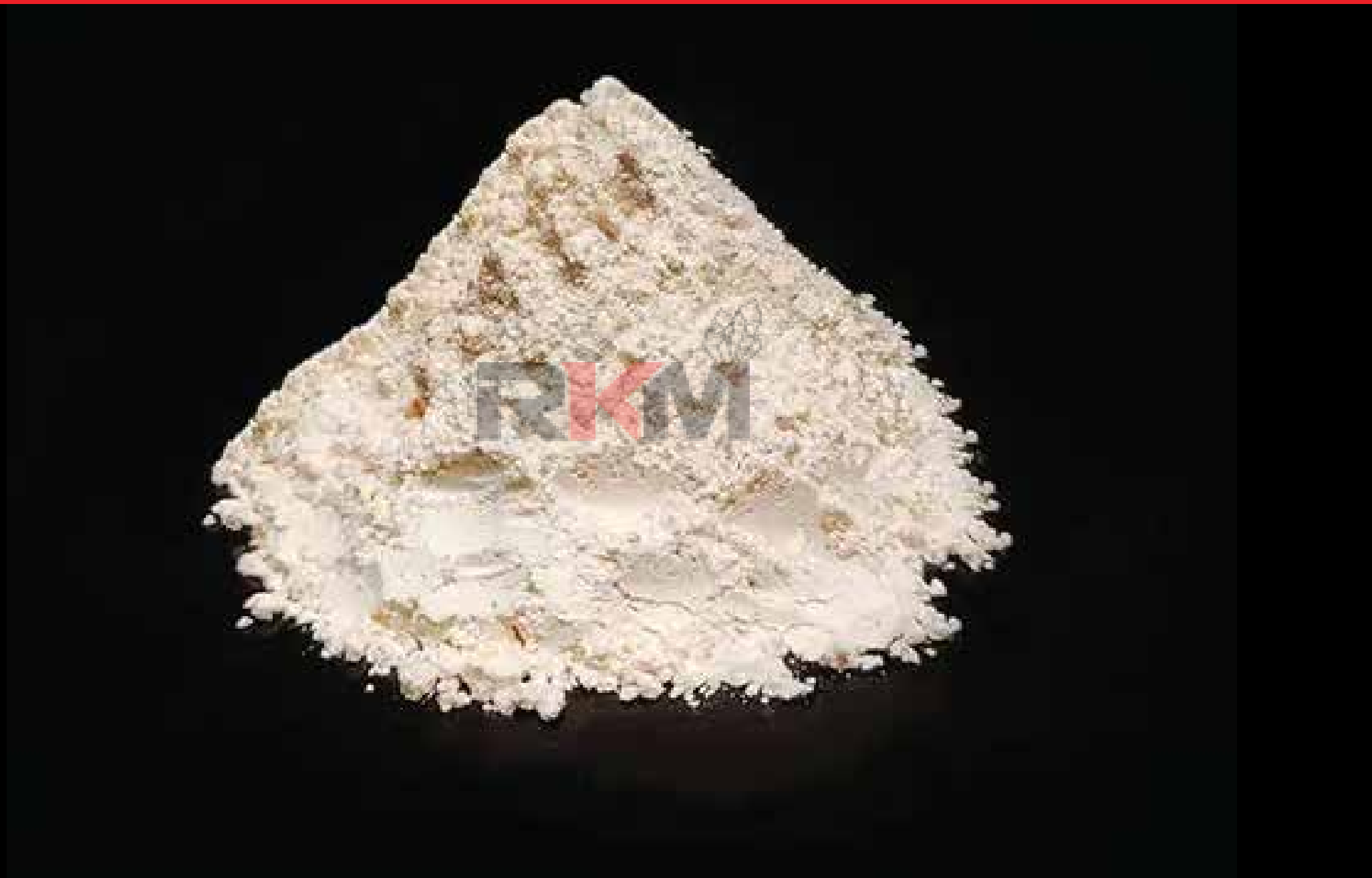
Size Grade	Oversize Control	Oversize Limit	Range	Lower	Color & Whiteness	SiO_2 (Purity)	Fe_2O_3	L*	A*	B*
0.1 ~ 0.4 mm	Over 30# : 0	Max 5	Min 85%	Max 10%	Transparent	99.5% Min.	0.01%	91	0.2	2
0.1 ~ 0.3 mm	Over 50# : 0	Max 5	Min 85%	Max 10%	Transparent	99.5% Min.	0.01%	91	0.2	2
0.3 ~ 0.7 mm	Over 18# : 0	Max 5	Min 90%	Max 5%	Transparent	99.5% Min.	0.01%	88	0.2	1.5
0.6 ~ 1.2 mm	Over 12# : 0	Max 5	Min 90%	Max 10%	Transparent	99.5% Min.	0.01%	85	0.2	1.5
1.2 ~ 2.5 mm	Over 7# : 0	Max 5	Min 90%	Max 10%	Transparent	99.5% Min.	0.01%	70-75	0.3	1.5
2.5 ~ 4.0 mm	-	Max 5	Min 90%	Max 10%	Transparent	99.5% Min.	0.01%	62-65	0.4	1.5
4.0 ~ 6.0 mm	Over 4# : 0	Max 5	Min 90%	Max 10%	Transparent	99.5% Min.	0.01%	55-60	0.4	1.5
Filler 38 Microns	1% Max. on 400#	D97 : 38 Microns	-	-	Extra Super White 96.97%	99.5% Min.	0.01%	98	0.25	1
Filler 45 Microns	1% Max. on 325#	D97 : 45 Microns	-	-	Extra Super White 96.97%	99.5% Min.	0.01%	98	0.25	1
80 ~ 200 Mesh	Over 72# : 0	Max 5	Min 85%	Max 10%	Transparent	99.5% Min.	0.01%	91.25	0.13	2.15

FELDSPAR

It is a high-quality industrial mineral widely valued for its excellent chemical composition and consistent performance in manufacturing processes. It is carefully processed to maintain purity, low iron content, and uniform particle size, making it suitable for use in both lumps and powder forms. Feldspar is primarily composed of alumino-silicates and contains important elements like potassium and sodium, which enhance its effectiveness in industrial applications. Its stable chemical nature and reliable quality make it an essential raw material for various production needs.

The feldspar products are extensively used in industries such as ceramics, glass manufacturing, paints, and construction materials. It acts as a fluxing agent, helping to lower the melting temperature during production and improving the strength, durability, and finish of the final products. Due to its ability to enhance efficiency and product quality, feldspar plays a crucial role in modern industrial processes.

POTASH & SODIUM FELDSPAR



FELDSPAR

Chemical Compositions (Potash Feldspar)

CONSTITUENTS	K-PAR GLAZE 325	K-PAR GLAZELS 300	K-PAR VITRO	K-PAR SANITARY	K-PAR FLOOR	K-PAR 66	K-PAR WALL
SiO_2	66.81	66.63	66-70	72.99	70-72	69.13	74.73
Al_2O_3	17.88	18.17	15-17	14.67	15-16	16.87	14.51
TiO_2	0.02	0.04	--	0.04	0.09	0.05	0.04
CaO	0.15	0.16	0.13	0.51	--	0.16	0.46
MgO	0.90	0.14	0.17	0.40	--	0.18	0.30
K_2O	11.26	12.53	8.00	7.86	6-8.5	6.43	4.05
Na_2O	3.28	1.87	2-4.2	3.14	2-4	6.18	4.76
Fe_2O_3	0.04	0.09	0.20	0.20	0.20	0.12	0.29
L.O.I	0.28	0.30	0.50	0.43	0.50	0.69	0.55

FELDSPAR

Chemical Compositions (Sodium Feldspar)

Contents	S1	S2
SiO_2	66.5 – 71.50	72.00 – 75.00
Al_2O_3	18.3 – 20.60	14.00 – 16.50
TiO_2	0.05 – 0.10	0.20 – 0.30
CaO	0.14 – 0.84	0.30 – 0.40
MgO	0.10 – 0.15	0.09 – 0.12
K_2O	0.34 – 0.44	0.01 – 0.20
Na_2O	9.50 – 11.60	8.00 – 9.50
Fe_2O_3	0.07 – 0.14	0.12 – 0.30
L.O.I	0.15 – 0.85	0.50 – 0.70
Fired Colour @1220°C	Glossy / Clean Melt	Creamy / Yellowish Melt with Dirty Picks

FELDSPAR

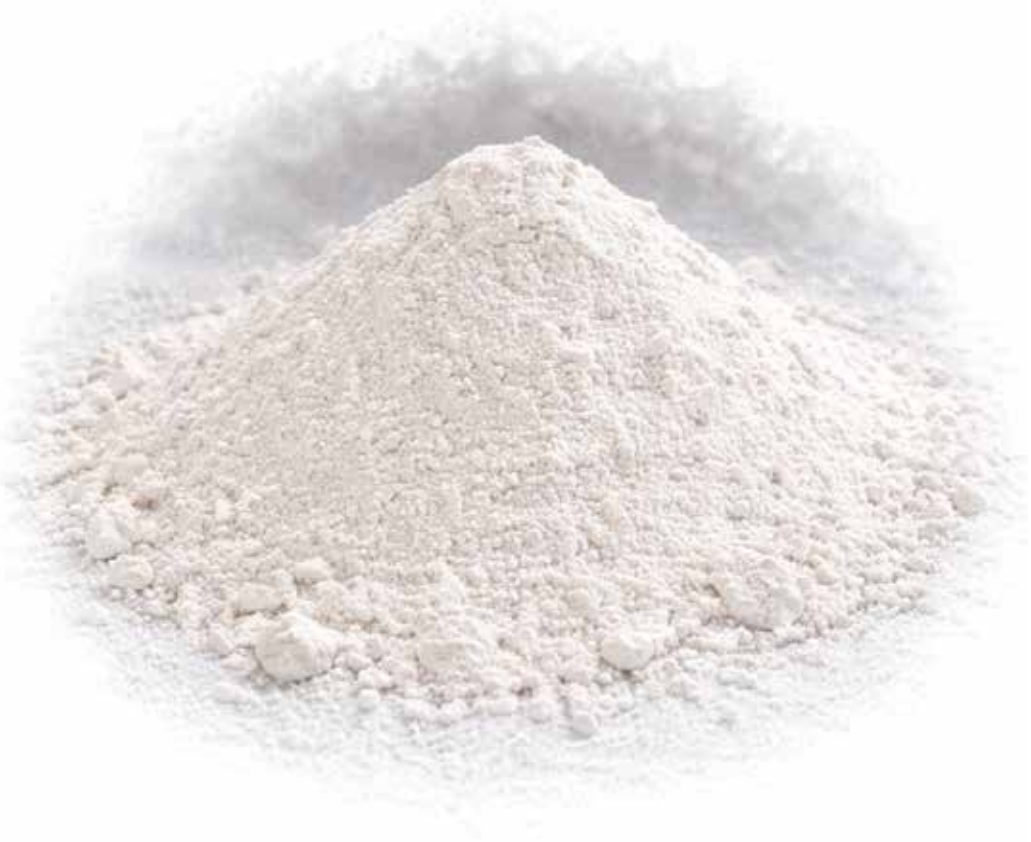
Unfired Properties (Sodium Feldspar)

Brightness	88.50
Whiteness	91.40
Oil Absorption / 100 Gm	22.70

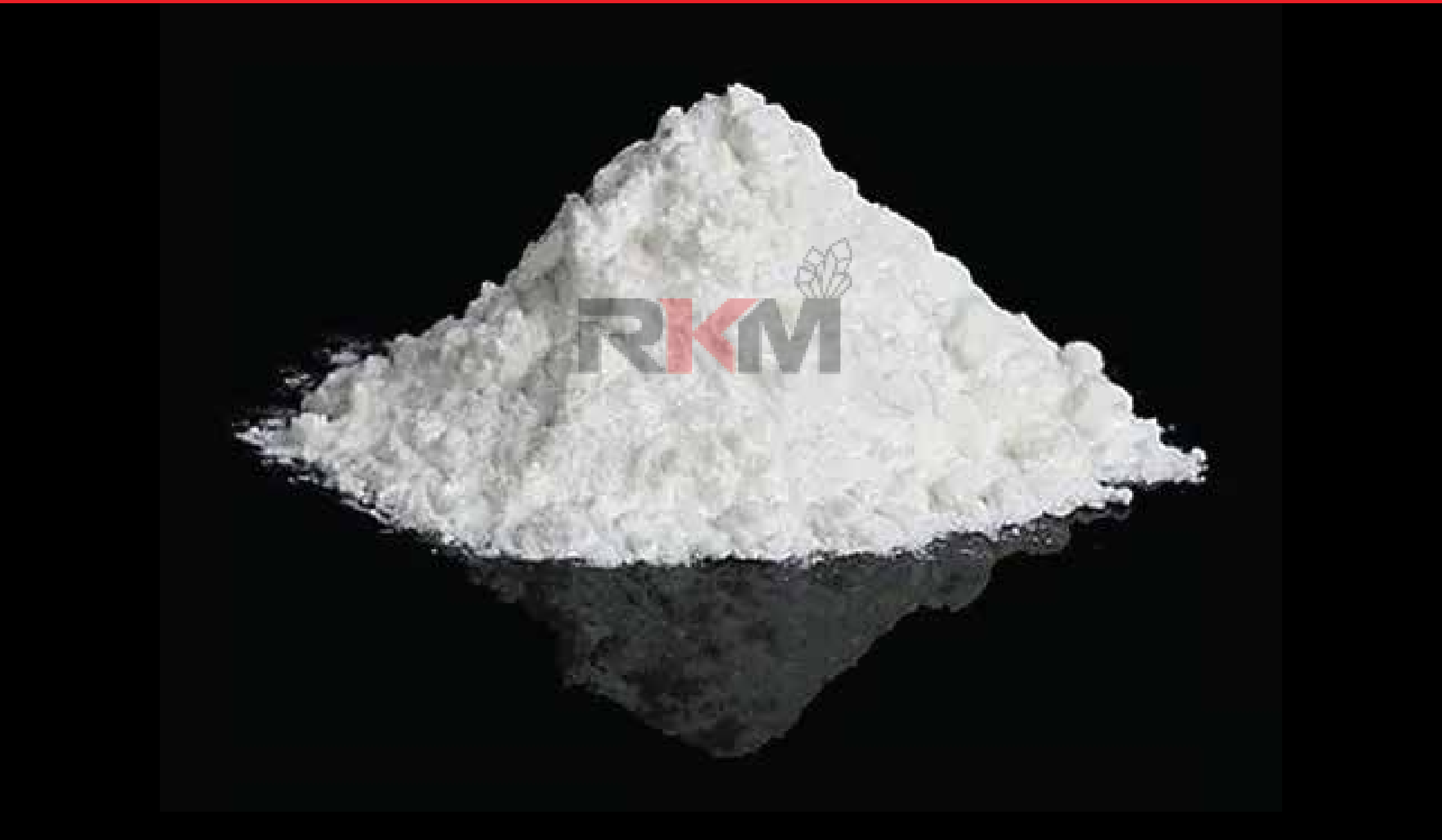
RAMMING MASS

It is a high-quality refractory material designed for use in high-temperature industrial applications. It is produced using carefully selected raw materials and advanced processing techniques to ensure consistent grain size, purity, and performance. The material is available in different forms such as powder and customized sizes as per buyer requirements, making it suitable for various furnace specifications. Its excellent thermal stability and resistance to extreme heat make it a reliable choice for demanding industrial environments.

This product is widely used in the lining of induction furnaces and other metallurgical equipment, where it helps maintain uniform heat distribution and improves furnace efficiency. Ramming mass enhances the life of furnace linings, reduces material wastage, and supports smooth operation during metal melting processes. Due to its strong physical properties like corrosion resistance, durability, and consistent composition, iand ensuring long-lasting industrial performance.



RAMMING MASS



RAMMING MASS

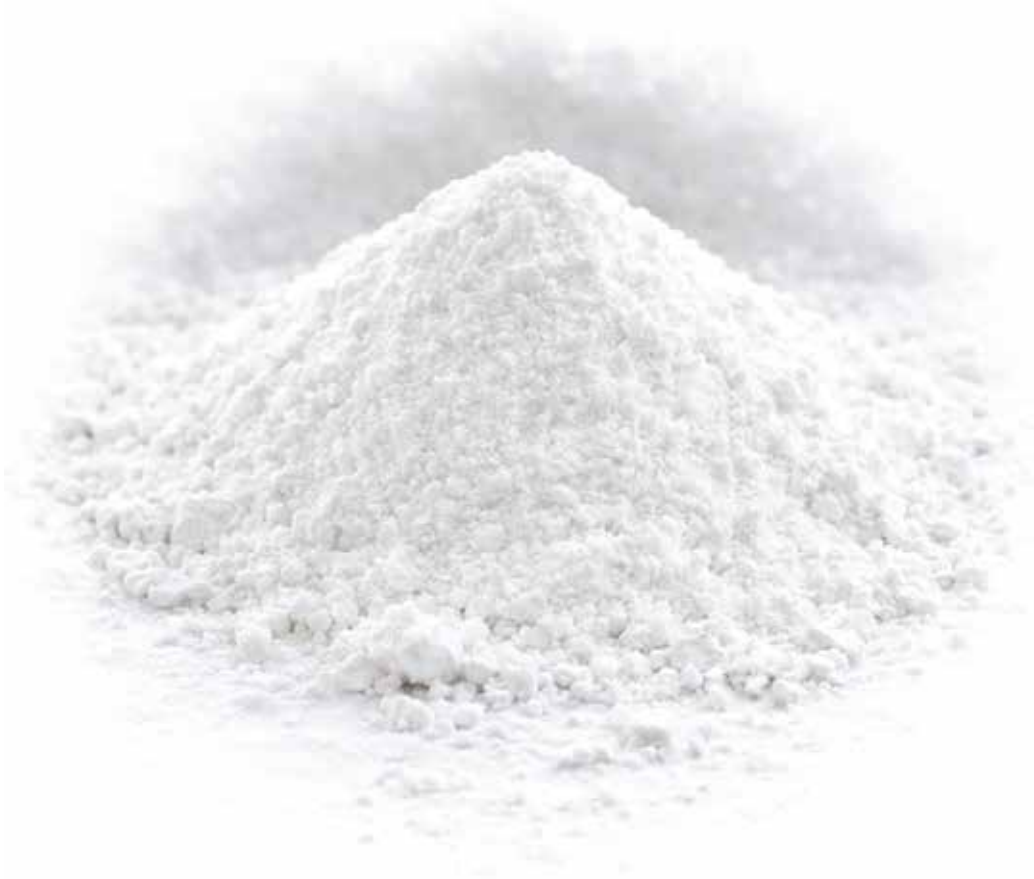
Chemical Analysis

Material	Quartz
SiO_2 Content (%)	98%
Al_2O_3 Content (%)	0.02%
Fe_2O_3 (%)	0.01%
CaO Content (%)	0.01%
MgO (%)	0.01%
Color	White
Shape	Granule
Density	2.4 g/cm^3 (approx.)

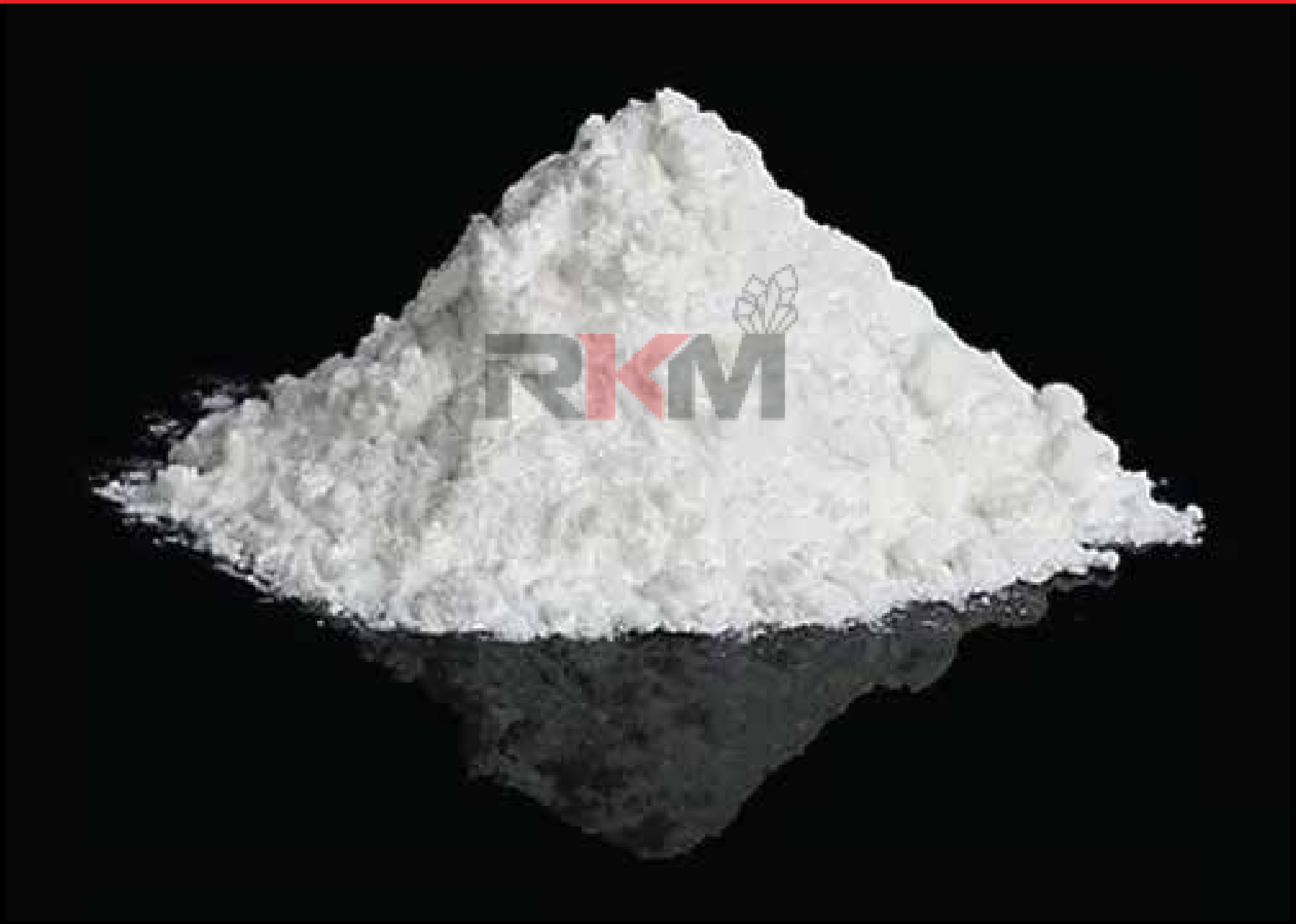
CALCIUM CARBONATE

It is a premium-quality mineral known for its high purity, whiteness, and fine particle composition. It is processed using advanced techniques to ensure consistent quality, controlled particle size, and low moisture content, making it suitable for various industrial applications. Available in different forms such as powder and customized grades, this mineral is derived from natural calcite and meets industry standards for performance and reliability. Its smooth texture and stable chemical properties make it an essential raw material in manufacturing processes.

This product is widely used across industries such as plastics, paints, rubber, paper, and construction due to its excellent filler properties and cost-effectiveness. Calcium carbonate improves product strength, enhances surface finish, and supports better processing efficiency in manufacturing. It also plays an important role in applications like PVC pipes, coatings, and masterbatches, where consistency and durability are crucial.



CALCIUM CARBONATE



CALCIUM CARBONATE

Chemical Analysis

Silica (SiO_2)	1.50%
Sodium Oxide (Na_2O)	0.10%
Ferric Oxide (Fe_2O_3)	0.04%
Calcium Oxide (CaO)	95%
Magnesium Oxide (MgO)	2 – 2.25%
Magnesium Carbonate ($MgCO_3$)	1%

APPLICATIONS

PLASTIC INDUSTRY

GLASS INDUSTRY

CERAMICS INDUSTRY

STEEL & FOUNDARY

FRIT & GLAZE

PAINTS INDUSTRY

RADHEY KRISHNA MINERALS

QUARTZ, FELDSPAR, RAMMING MASS & INDUSTRIAL MINERALS

3A & 3B , N.H 79 Udaipur Kalan,Kishangarh (Raj)

+91 70146 81895,+91 70143 37369

www.radheykrishnaminerals.com