

UMA INTERNATIONAL TRADELINK

Exporter and Supplier of Silica Sand & Other Minerals
GST NO: 24BAGPL9019P1Z7 IEC CODE: BAGPL9019P
www.umainternationaltradelink.com

20,000+ MT

Monthly Capacity

99.1%

Max SiO₂ Purity

3 Grades

Available

Premium Silica Sand

Gujarat's finest — precisely processed, consistently pure, export-ready.

01 / GENERAL OVERVIEW

What is Silica Sand?

Silica sand is composed predominantly of silicon dioxide (SiO₂) and is one of the most widely used industrial minerals in the world. Unlike common sand, industrial-grade silica sand has carefully controlled particle size, shape, and chemical purity — making it the foundational raw material for an enormous range of manufacturing processes.

At UMA International Tradelink, we source and process our silica sand from the mineral-rich Kutch-Gujarat belt — one of India's most reputed deposits for silica quality and consistency. Available in three precision grades, our sand is exported to traders, glass manufacturers, foundries and water treatment plants across Southeast Asia and beyond. With a monthly production capacity of 20,000 MT, we are a reliable, high-volume supply partner.

02 / KEY APPLICATIONS (1 of 2)

Where Silica Sand is Used

Silica sand is a versatile industrial mineral used across six major industries. The specific grade required — grain size, purity and shape — varies by application.



Glass Production

Container glass (bottles, jars), flat glass (windows, mirrors), optical glass, fibreglass, solar panels, TV screens & tableware.



Foundry & Metal Casting

Sand moulds for ferrous & non-ferrous metal casting. Acts as flux in metal production, lowering melting point for purification.



Water Filtration

Principal filtration medium for drinking water & wastewater treatment plants. Also used in swimming pools & aquariums.

★ Sand purity directly impacts glass clarity & strength. For foundry use, grain shape and AFS number are critical. For filtration, uniform particle size ensures performance.

02 / KEY APPLICATIONS (2 of 2)

Ceramics, Construction & Chemical Industry



Ceramics & Tiles

Finely ground silica in clay bodies and glazes. Critical for tableware, sanitary ware, wall & floor tiles — structure & finish.



Construction

Concrete, mortars, stucco, roofing shingles, flooring compounds, asphalt mixtures & calcium silicate bricks.



Chemical Industry

Base material for sodium silicate, silicon tetrachloride & silicon gels. Reduced to silicon metal for soaps, dyes & food chemicals.

★ For ceramics, finely ground silica influences structure and durability. In construction, grain shape affects workability of concrete and mortars. For chemicals, high-purity silica is reduced to silicon metal for soaps, dyes and processing.

03 / CHEMICAL COMPOSITION

Standard Chemical Specification

Standard chemical reference specification for silica sand. All values verified by third-party testing (SGS / Bureau Veritas). Full COA (Certificate of Analysis) available on request.

Element	Chemical Formula	Specification (%)
Silicon Dioxide	SiO ₂	98.50% Min
Iron Oxide	Fe ₂ O ₃	0.05% Max
Aluminium Oxide	Al ₂ O ₃	0.70% Max
Calcium Oxide	CaO	0.20% Max
Titanium Dioxide	TiO ₂	0.05% Max
Magnesium Oxide	MgO	0.20% Max
Moisture (Dry Sand)	H ₂ O	0.50% Max

★ The purity of SiO₂ is the most critical parameter. Iron oxide (Fe₂O₃) content must be minimised for glass-grade applications to avoid discolouration in the final product.

04 / PRODUCT GRADES

Three Precision Grades — One Trusted Source

We offer three grades of silica sand, each targeting specific end-use industries. All grades are available in customisable grain sizes as per buyer requirement. Tailor-made material also available on request.

UMA - GRADE 1		UMA - GRADE 2		UMA - GRADE 3	
Premium	99.1%	Spiral	99%	Regular	98.5%
Dry Process	SiO2 Min	Wet & Dry Process	SiO2 Min	Wet & Dry Process	SiO2 Min
Al2O3	< 0.4%	Al2O3	< 0.4%	Al2O3	< 0.6%
Fe2O3	< 0.018%	Fe2O3	< 0.030%	Fe2O3	< 0.060%
CaO	< 0.15%	CaO	< 0.15%	CaO	< 0.15%
TiO2	< 0.05%	TiO2	< 0.06%	TiO2	< 0.05%
Moisture	NIL	Moisture	5%	Moisture	5%

★ All grain sizes supplied as per buyer requirement. Grain size specification uses US Mesh / Microns — see conversion chart on final page.

05 / COMMERCIAL TERMS

Terms & Conditions of Supply

Term	Details
Minimum Order Quantity	28 MT per order
Monthly Production Capacity	20,000 MT per month
Loading Port	Mundra / Kandla / Pipavav, Gujarat
Incoterms	FOB / CFR / CIF — as per buyer's requirement
Payment Terms	50% advance + 50% against BL copy
Lead Time	15–21 days from order confirmation
Third-Party Inspection	SGS / Bureau Veritas accepted
Samples	Free samples — buyer pays courier charges

06 / PACKAGING OPTIONS

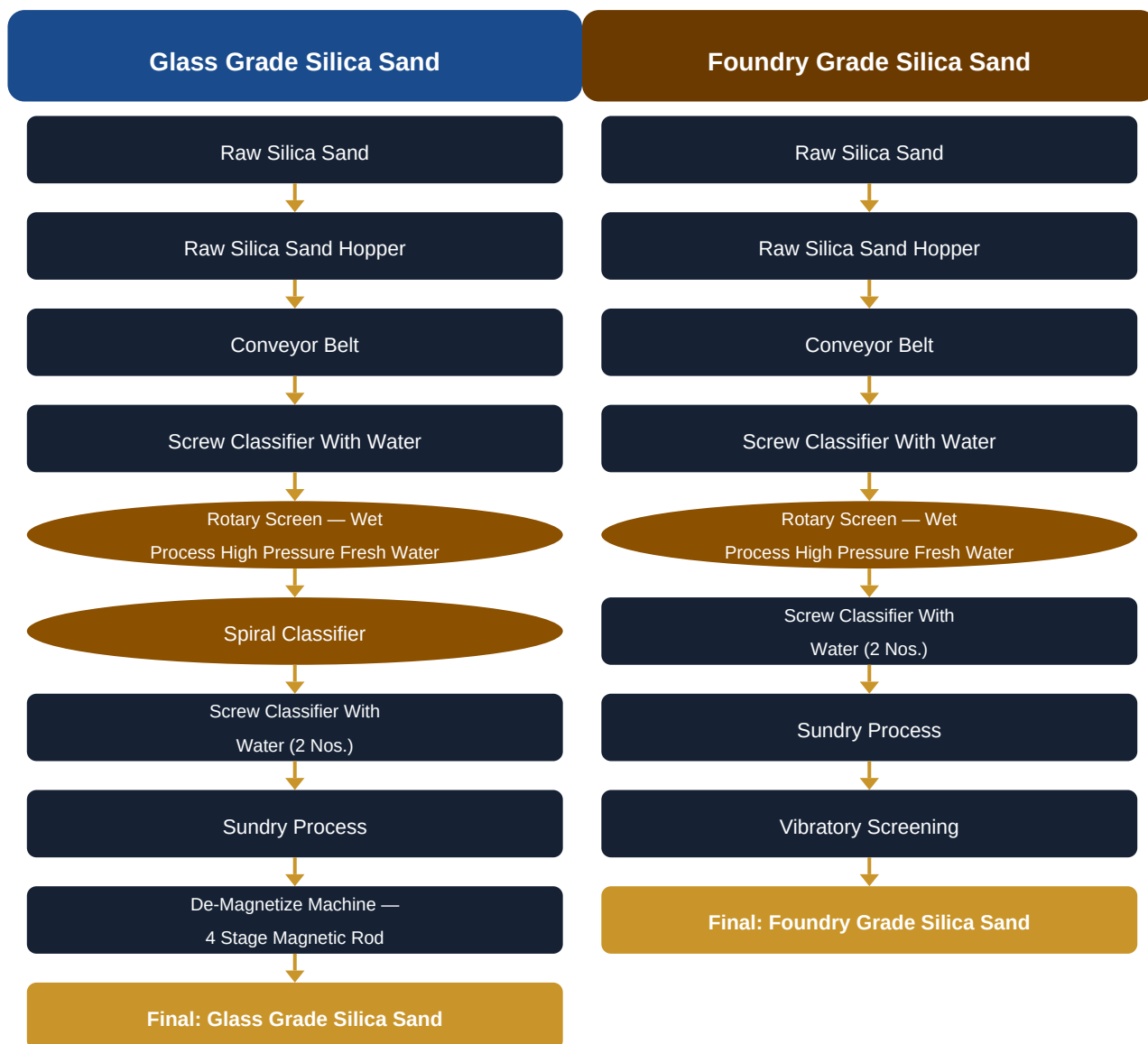
How We Pack Your Order

■ 50 kg Bags	■ 1 MT Jumbo Bags (FIBC)	—■ Custom Packaging
New PP / HDPE bags	New or once-used FIBC bags available	Tailor-made as per buyer requirement

07 / PRODUCTION PROCESS

How Our Silica Sand is Processed

Every batch passes through a rigorous multi-stage processing line ensuring consistent purity, controlled grain size and minimal contamination. Below are the complete process flow charts for our Glass Grade and Foundry Grade silica sand.



08 / GRAIN SIZE REFERENCE

Mesh to Microns Conversion Chart

U.S Mesh	Inches	Microns (μm)	Millimeter s (mm)	U.S Mesh	Inches	Microns (μm)	Millimeter s (mm)
3	0.265	6730	6.73	40	0.0165	400	0.4
4	0.187	4760	4.76	45	0.0138	354	0.354
5	0.157	4000	4.0	50	0.0117	297	0.297
7	0.132	2360	3.36	60	0.0098	250	0.25
7	0.0937	2330	2.33	70	0.0083	210	0.21
8	0.0937	2380	2.38	80	0.007	177	0.177
10	0.0787	2000	2.0	100	0.0059	149	0.149
12	0.0661	1680	1.68	120	0.0049	125	0.125
14	0.0555	1410	1.41	140	0.0041	105	0.105
16	0.0469	1190	1.19	170	0.0035	88	0.088
18	0.0394	1000	1.0	200	0.0029	74	0.074
20	0.0331	841	0.841	230	0.0024	63	0.063
25	0.028	707	0.707	270	0.0021	53	0.053
30	0.0232	595	0.595	325	0.0017	44	0.044
35	0.0197	500	0.5	400	0.0015	37	0.037

★ Source: US Standard Sieve Series. All conversions are approximate. Contact us with your required mesh / micron specification for a customised supply quote.

UMA International Tradelink

Office No. 18, Geeta Market
Bhuj 370001, Kutch, Gujarat, India

info@umainternationaltradelink.com

+91 9773146730

www.umainternationaltradelink.com

Request a Quote

Grade · Quantity
Destination Port