



**SILICA HOUSE**  
**GENERAL TRADING**  
مؤسسة سيلিকা هاوس جنرال تریدینگ

[www.Silicahouse.com](http://www.Silicahouse.com)

**Company Profile**





# ABOUT US

Silica House General Trading is a Saudi-based enterprise specializing in the supply of silica sand, aggregates, and industrial minerals. With a strong reputation for quality, reliability, and consistency, we cater to diverse industries including construction, infrastructure, glass, ceramics, water treatment, and manufacturing.

Through advanced processing, strict quality control, and sustainable sourcing, we ensure that our materials meet international standards such as ASTM, BS, and ISO.

## Vision

To be the most trusted supplier of Silica sand, Aggregates, and Industrial Minerals across the Middle East, setting benchmarks in quality, innovation, and sustainability.

## Mission

- Deliver premium-grade products that exceed industry expectations.
- Build long-term partnerships with clients based on trust and reliability.
- Support construction, industrial, and environmental projects with sustainable resources.
- Continuously innovate to provide solutions tailored to client needs.

# OUR PRODUCTS

We supply a comprehensive range of silica sand, aggregates, and industrial minerals to meet the needs of construction, infrastructure, water treatment, glass, ceramics, and manufacturing industries. Each product is carefully processed, tested, and graded to ensure consistent quality, durability, and compliance with international standards.



## Silica Sand & Gravels

- Washed, dried, and graded silica sand (0.600 micron – 4 mm)
- High-purity silica gravels for filtration, flooring & construction
- Silica flours for glass, ceramics, coatings & industrial uses



## Industrial Additives & Minerals

- Micro Silica
- Garnets
- Fly Ash (Class F & Class C)
- GGBS (Ground Granulated Blast-Furnace Slag)
- Calcium Carbonate (Multiple Grades)
- Sodium Silicate



## Construction Aggregates

- Crushed natural aggregates (3/16", 3/8", 3/4") in multiple colors
- Decorative gravels & landscaping aggregates



## Construction Base Materials

- Base Course
- Sub Base (all types) Select
- Fill Material Marl
- Tin Material





# SILICA SAND

Our high-purity silica sand is carefully washed, dried, and graded to meet the needs of multiple industries. With uniform grain sizes, high SiO<sub>2</sub> content, and excellent chemical stability, Silica house silica sand is a preferred choice for construction, filtration, and decorative applications.



## Specifications

- Grain Size: 0.5–1.5 mm, 1–2 mm, 2–4 mm Shape:
- Rounded / Sub-rounded / Angular
- Specific Gravity: 2.65
- Hardness: 6–7 Mohs
- Bulk Density: 1.5–1.6 MT/m<sup>3</sup>
- Types: Sweet Sand, Sand Blasting Sand, Mortar Sand, Filter Sand



## Key Advantages

- Wide grain size range
- High mechanical strength & weather resistance
- Consistent quality with minimal impurities



## Applications

- Mortars, adhesives, and grouts
- Blasting and surface preparation
- Water filtration systems
- Cable bedding & multi-construction products
- Decorative landscaping, flooring, aquariums
- Paints and coatings

# GARNETS (ABRASIVE)

At Silica House Trading, we supply premium-quality Red and Grey Garnet in various mesh sizes suitable for both ARAMCO-approved and non-ARAMCO applications. Our garnet is known for its high hardness, low dust, and reusability, making it a cost-effective & environmentally friendly solution for industrial use.



## Specifications

- Type: Natural Almandine Garnet
- Color: Reddish Brown
- Hardness: 7.5–8.0
- Specific Gravity:  $4.1 \pm 0.1$
- Mesh Sizes: 20/40, 30/60, 20/30 Mesh (other sizes on request)

## Applications

- Sandblasting
- Waterjet Cutting
- Surface Preparation
- Filtration

# AGGREGATES

Our crushed and graded natural aggregates are available in a wide variety of sizes and colors. Processed to meet construction and design requirements, they are ideal for structural, decorative, and landscaping purposes.

## Specifications

- Sizes: 3/16", 3/8", 3/4"
- Color Options: White, Brown, Green, Grey, Black, Standard Colors
- Specific Gravity: 2.5–2.7
- Bulk Density: 1,400–1,600 kg/m<sup>3</sup>

## Applications

- Concrete & asphalt production
- Road base & drainage works
- Landscaping & decorative flooring
- Architectural designs



# MICRO SILICA

Micro Silica is an ultrafine amorphous silicon dioxide powder widely used in high-performance construction materials. Silica house supplies premium-grade Micro Silica that improves the strength, durability, and chemical resistance of concrete and refractory products.



## Specifications

- Purity: 92% (Grey Color) Specific
- Gravity: 2.2
- Bulk Density: 300–700 kg/m<sup>3</sup>
- Form: Ultrafine powder

## Applications

- High-performance concrete
- Refractory applications
- Industrial grouts



# Fly Ash

Fly Ash is a fine by-product of coal combustion used as a key ingredient in cement and concrete production. Silica House provides high-quality Class F and Class C fly ash, ensuring superior workability and durability.

## Specifications



Color: Grey to dark grey

Specific Gravity: 2.2-2.6

Bulk Density: 850-1,200 kg/m<sup>3</sup>

## Applications



Cement & concrete manufacturing

Soil stabilization

Road constructio

# GGBS (Ground Granulated Blast-Furnace Slag)

GGBS is a fine powder obtained from granulated iron blast-furnace slag. Used as a cement replacement, it significantly enhances the durability, strength, and sustainability of concrete.



## Specifications

Color: Off-white to light grey  
Specific Gravity: 2.85–2.95  
Bulk Density: 1,000–1,200 kg/m<sup>3</sup>



## Applications

Cement replacement  
High-strength, durable concrete  
Sustainable construction projects





# Calcium Carbonate

Finely ground Calcium Carbonate with multiple grades suitable for construction, plastics, paints, and coatings.

## Specifications

- Grade 97% (75-100 Micron) – Purity: 97%, White to off-white
- Grade 40-47% (100-159 Micron) – Purity: 40-47%, Off-white to grey
- Specific Gravity: 2.7
- Bulk Density: 800-1,000 kg/m<sup>3</sup>

## Applications

- Construction & cement
- Plastics & coatings
- Paints & fillers

# Sodium Silicate

Sodium Silicate, available in liquid and solid form, is a versatile compound used across adhesives, detergents, water treatment, and industrial molds.



## Specifications

Appearance: Clear liquid / Glassy solid  
Specific Gravity: 1.4–1.6 (liquid)

## Applications

- Adhesives & sealants
- Detergents & cleaning agents
- Water treatment solutions
- Foundry molds





# Silica Fumed

Silica Fumed consists of ultrafine amorphous silica particles with high chemical stability. Silica house trading supplies both non-densified and densified grades.

## Specifications



Color: White to light grey

Specific Gravity: 2.2

Bulk Density: 150–250 kg/m<sup>3</sup> (non-densified), 500–700 kg/m<sup>3</sup> (densified)

## Applications



High-strength concrete

Polymer coatings

Refractory applications

# Base Course

High-quality crushed aggregate material, well-graded for foundation strength in road and pavement construction.

**Specifications**  
Specific Gravity: 2.5–2.7  
Bulk Density: 1,600–1,800 kg/m<sup>3</sup>

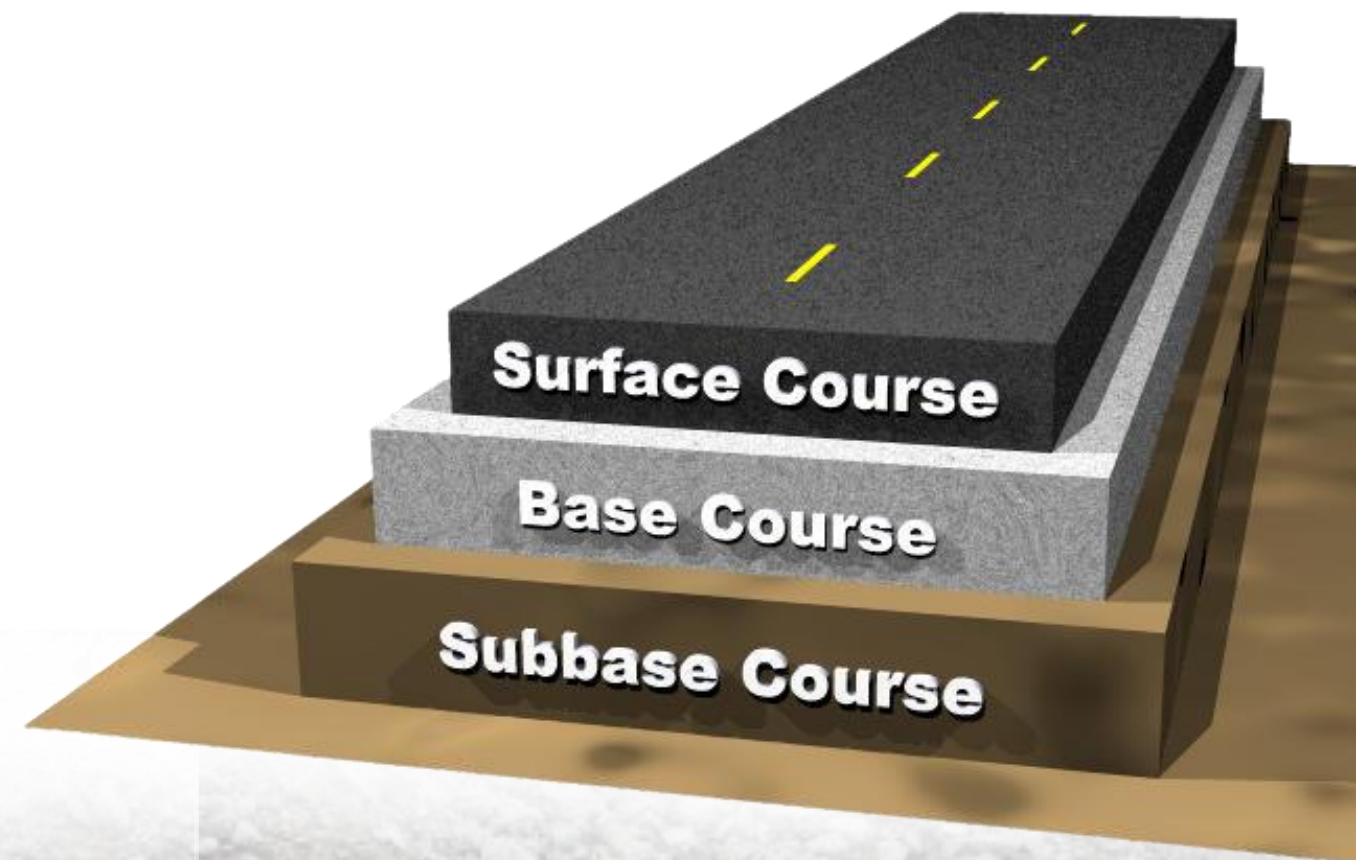
**Applications**  
Road base layers  
Pavement foundations

# Sub Base (All Types)

Coarse aggregate base materials designed for infrastructure projects, tailored as per project specifications.

**Specifications**  
Specific Gravity: 2.4–2.7  
Bulk Density: 1,500–1,700 kg/m<sup>3</sup>

**Applications**  
Highways & roads  
Major infrastructure works



# Silica Gravels

Durable, high-purity gravels with excellent chemical stability.



## Applications

- Water filtration
- Decorative flooring & landscaping
- Reinforcement in construction



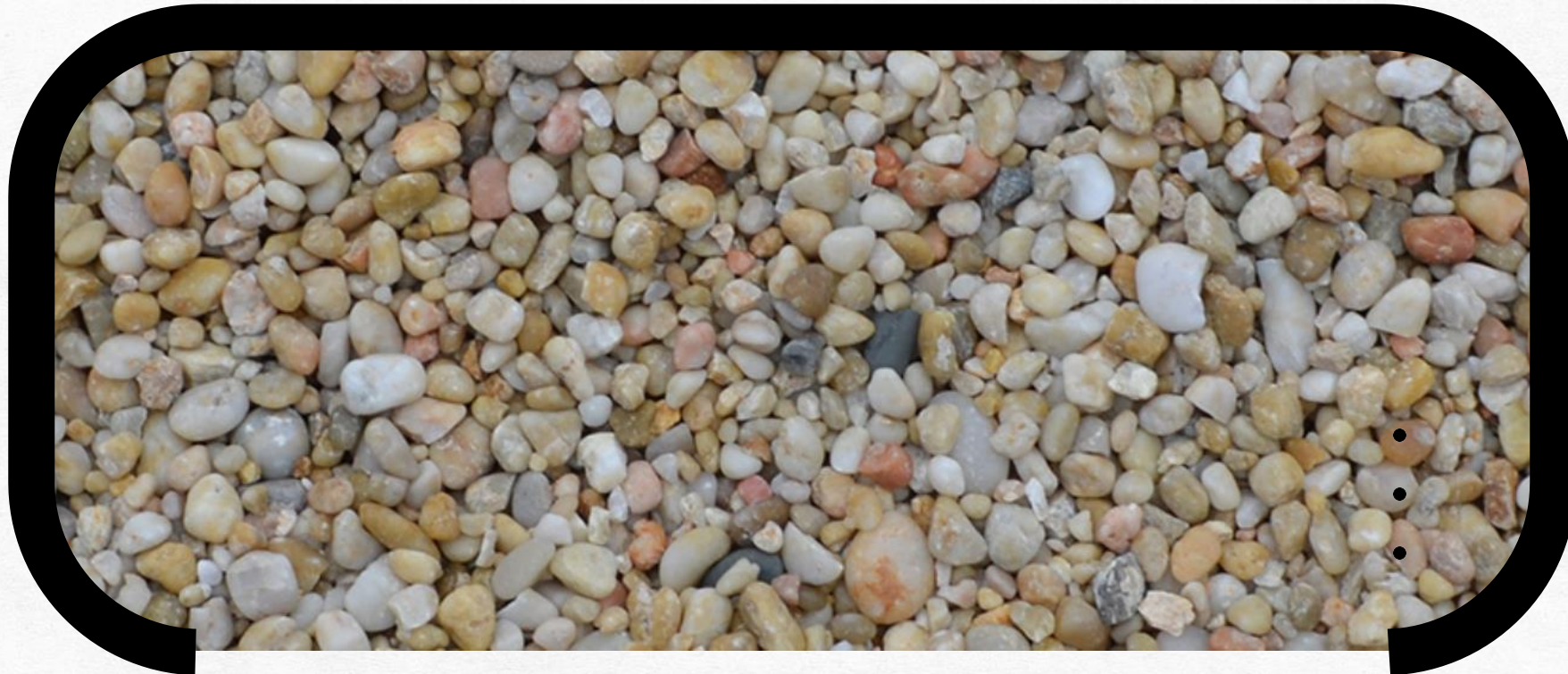
# Silica Flours

Finely ground silica powder with high purity, ideal for industrial and decorative applications.

## Applications



- Glass, ceramics, refractories
- Paints, coatings, plastics, rubber
- Adhesives, abrasives, sealants



# Silica Sand (0.600 Micron – 4 mm)

Premium-grade silica sand graded between 0.600 micron and 4 mm, offering excellent strength, uniformity, and chemical resistance.

## Applications



- High-performance construction materials
- Blasting & surface finishing
- Cable bedding & precast materials
- Water filtration & landscaping
- Paints, coatings & decorative uses

## Key Advantages



- Wide size range
- High SiO<sub>2</sub> content
- Consistent quality & durability



# CONTACT US

## Phone

057 010 1468

## Email

[silicahousegeneraltrading@gmail.com](mailto:silicahousegeneraltrading@gmail.com)

## Website

[www.silicahouse.com](http://www.silicahouse.com)

## Location

King Abdul Aziz Street, Khobar, KSA

