

Sandblast



Silica sand is a common abrasive used in **sandblasting**, also known as **abrasive blasting**, because of its hardness, angular shape, and availability. Here's how it's used and why:

How Silica Sand is Used in Sandblasting

1. Surface Preparation:

- Silica sand is propelled at high speed against a surface using compressed air.
- This removes **rust, paint, scale, or other surface contaminants**, leaving the surface clean and roughened for coating or painting.

2. Etching and Engraving:

- It's used to **etch glass or stone** surfaces by selectively blasting specific areas with a stencil in place.

3. Restoration:

- Used in **building and monument cleaning** to remove dirt, grime, and graffiti.

Why Silica Sand?

- **Hard and sharp:** The sub-angular to angular shape makes it effective at cutting and cleaning.
- **Graded sizes:** Consistent particle sizes help control the finish and blasting speed.
- **Cost-effective:** Often less expensive than synthetic or specialty abrasives.

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