## **Epoxy & Polymers**

Silica sand is a crucial additive in **epoxy and polymer applications**, providing durability, texture, and performance enhancements. Here's how it's commonly used:

Filtration Media Solution

## 1. Epoxy Flooring & Coatings

- **Improved Durability** Silica sand strengthens the epoxy, making it more resistant to wear, impact, and chemicals.
- Anti-Slip Surface It is broadcast into wet epoxy to create a textured, non-slip surface for industrial and commercial flooring.
- Aesthetic Finishing Colored or coated silica sand can be used to enhance the appearance of floors.
- 2. Polymer Concrete & Resins
  - **Structural Strength** Silica sand is used as a filler in polymer concrete to increase compressive strength and resistance to cracking.
  - **Thermal & Chemical Resistance** It helps epoxy and polymer-based materials withstand extreme conditions in industrial applications.
- 3. Casting & Molding
  - Filler for Epoxy Resins Silica sand improves dimensional stability in composite materials.
  - Weight Reduction When mixed with resins, it balances the density without compromising strength.

## 4. Coatings & Adhesives

- **Thickening Agent** Helps in controlling viscosity and preventing sagging in vertical applications.
- Enhanced Adhesion Used in bonding agents for better substrate grip.

Kleen Industrial Sands' **low-dust, dried, graded, and sub-angular** silica sand is ideal for these applications, ensuring **consistent performance, easy mixing, and long-term durability**.

www.kleenindustrialsands.com info@kleenindustrialsands.com 800-356-7323