

# Cab o sil

## Super-Fine Fumed Silica

Fumed Silica is used to alter the viscosity, thixotropy and or bond strength of resins. Thickened resin can assist in reducing runs or sags, for gap filling or for bonding. By adding Fumed Silica to a resin mix with other fillers or reinforcements the handling and physical properties are altered. Various factors effect the exact ratios for achieving specific results including the resin type, viscosity, and working temperature. You will have to experiment to develop the best ratios for the specific resin system you are using and your intended application. Some resin manufactures provide guidelines in their application manuals.

To reduce sagging on vertical surfaces add approximately 1 to 3 % by weight, (approximately 2 parts resin to 1 part filler). To thicken for glue joint gap filling add approximately 3 to 7 % by weight. To make a resin or gel coat paste mix approximately equal volumes. This can produce a compound that is extremely hard and abrasion resistant. Fumes Silica is used in conjunction with other fillers to reduce resin drainage and to enhance working properties such as spreading. To arrive the best performing ratio may require mixing some test samples to determine what works best for a specific application.

Milled Glass Fibers can produce a high strength non-sagging structural adhesive. can be produced. 3M Glass Bubbles produce an easy spreading and sanding faring compound.

Proper sequence for mixing these compounds is to first measure catalysts or hardener into resin and mix thoroughly. Next, add fiber reinforcements and mix to assure complete fiber wet out. Fillers such as 3M Bubbles follow with the fumed silica is added last. Mix well. Fumed Silica can contribute to difficulties in sanding. Where sanding will follow, use only as much fumed silica as is required to impart thixotrophy.

**Lb.**

Packaged By: **Fiberglass Supply, Inc.**  
314 West Depot  
Bingen, WA. 98605-0345  
(509) 493-3464.

D. O. T. Shipping Name: Silica, Not Applicable  
Ingredient: Silicone Dioxide

**CAUTION:** Dry powdered materials can build static electrical charges when subject to friction. Proper precautions in the presents of flammable or explosive liquids should be taken to prevent accidents.

**WARNING: CAUSES EYE IRRITATION- HARMFUL IF INHALED-MAY CAUSE SKIN IRRITATIONHARMFUL IF SWALLOWED**

Avoid contact with eyes and prolonged or repeated contact with skin. Wear goggles and face shield when handling. Avoid breathing dust, wear respirator. Use only with adequate ventilation. Keep away from heat, spark, and flame. Store, handle and use in a manner that will minimize dust generation.

**FIRST AID:** in case of contact with skin wash with warm water and soap. For eyes, immediately flush with plenty of water for 15 minutes. If irritation persists, get medical attention. If inhaled, remove to fresh air. If breathing difficulty persists consult physician. Wash clothes before re-use.

**ATTENTION: CONTAINER MAY BE HAZARDOUS WHEN EMPTIED.** Since emptied containers retain product residues, all labeled hazard precautions must be observed.

**CONSULT:** MSDS (Material Safety and Data Sheet) for more complete handling information prior to use.

**KEEP OUT OF REACH OF CHILDREN**