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## **Aerosil**

### **Fumed Silica / Collodal Silica**

Aerosil is often called fumed silica or colloidal silica. It is the most efficient thickener for resins. The primary use of Aerosil is for thickening a resin so that it doesn't run off a vertical surface. Adding Aerosil to a liquid does not increase the volume of the liquid. Aerosil will not add any strength to your epoxy. You can use a mixture of Aerosil and 1/32 Milled Fibers or Microspheres to make the epoxy a little stronger and easier to sand. It is easier to thicken a thin resin like our 300 than to thicken a thick resin like the 400. This is because a thin resin will wet out the Aerosil better than a thick resin. You can achieve a petroleum jelly like consistency when the epoxy and Aerosil are mixed in a 1:1 ratio. We recommend mixing the Aerosil with the resin prior to adding the hardener to save your work life. By adding more Aerosil you can make the resin as thick as peanut butter. Keep in mind that adding the hardener will thin out the thickened resin a little as will the heat generated by the cure. Aerosil can be used with epoxy and polyester resin.

**ALWAYS WEAR PROPER SAFETY EQUIPMENT WHEN WORKING WITH PARTICULATES.**

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