



C-THIX 100 (FUMED SILICA)

DESCRIPTION

- Extremely efficient in Thixotropy and Thickening of many complex polar resins such as ones based on Polyurethane, vinylester, and especially epoxy.
- Guaranteed hydrophobia because of the silicone oil treatment.
- The slight oily effect of the treatment adds benefits in a variety of printing processes.
- Increases efficiency of the water resistance for moisture sensitive formulation, for example in cosmetics.
- Improvement of anti-sagging in epoxy adhesives, coatings, and anti-settling behaviour of pigments.
- Because this hydrophobized, small particle silica has great electrical insulating abilities and low water absorption, it can easily acquire and conserve electrical charge. It's typically used as a surface additive for toner for improvement of flowability and increasing charge.
- With silicone oil treatment, C-THIX offers individualized surface treatment.
- C-THIX is very effective for achieving a high tribo-charge due to its high hydrophobicity.
- Additionally C-THIX makes good flowability.

APPLICATIONS

- Thixotropy and thickening agent in adhesives and sealants for fiber optic cables
- Thixotropy and thickening agent for epoxy and vinylester resins and gelcoats
- Thixotropy and thickening agent for cable gels, cosmetics, and lubricants
- Creates an environment for achieving high tribo-charge
- Anti-sedimentation aid for fillers, such as quartz powder and chalk
- Suitable additive for anti-corrosion systems
- Booster silica for defoamers products
- Increases flowability of powders



C-THIX 100 (FUMED SILICA)

PROPERTIES

	UNIT	VALUE
Specific Surface Area (BET)	m ² /g	80–120
pH Value In 4% Dispersion		4.0/6.0
Loss on Drying 2 hours at 105°C	%	≤ 0.5
C-Content	%	3.5–5.0
Tamped density ISO 787-11, modified	g/L	Approx. 60
SiO ₂ Content Based on ignited materials	%	≥ 99.8

DIRECTIONS FOR USE

If the viscosity of our epoxy (mixed resin and hardener) is not suitable for your application, you can add up to 3–4% (depending on the Thixotropy needed) to the resin prior to mixing with hardener.

NOTE: The data contained herein is obtained in CEC Corp Laboratories and is provided for the sole purpose of informing. We do not accept responsibility for the results obtained by others whose methods are not under our control. It is the user's responsibility to determine suitability for their purpose of any product mentioned herein. CEC Corp disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose. CEC Corp specifically disclaims any liability for consequential or incidental damages of any kind, including loss of profit.