



## Thinky Application Datasheet 7

### Silver Filled Epoxy (pre-mixed product) THINKY material condition - 30 seconds

Materials: Silver filled epoxy pre-mixed product  
Particle Size: Silver particle 50nm  
Viscosity: 150,000 cPs  
Capacity: Total 120g  
Material Ratio: Pre-mixed  
THINKY Mixer: Vacuum mixer ARV-310

Pre-mixed product		THINKY Vacuum Mixing 30 seconds	
	Place the jar into a vacuum chamber.  Many air bubbles can be observed.		Place the jar into a vacuum chamber.  No single air bubbles came out on the smooth surface.
Air bubbles in the material will explode in the reflow oven and splatter.		THINKY conditions materials and reduce production defects dramatically.	

### THINKY precious metal paste re-dispersion - 15 seconds

Separated epoxy	Hand mixing	THINKY
Silver have sunk down to the bottom	Dense silver cannot be dispersed by hand	THINKY re-disperse silver through epoxy quickly
		

## THINKY die attach epoxy syringe conditioning - 30 seconds

<b>Defect 1</b>	<b>Defect 2</b>	<b>THINKY</b>
Air output at dispensing	Dispensed silver particle quantity change	Continuous smooth output at dispensing for air removal and for re-dispersion of the paste
