

Silver Conductive Epoxy

MG Chemicals' Silver Conductive Epoxy has many uses. It is primarily used as a solder replacement for bonding heat-sensitive electronic components or in heat sensitive environments. It is effective at bonding heat sinks to other components and PCBs. It also provides excellent EMI/RFI shielding and is very effective at filling in seams between metal plates.

Silver Conductive Epoxy Comparison Table:

Product Code	8330	8330S	8331	8331S
Electrical Resistivity ($\Omega \bullet \text{cm}$)	0.0006	0.0007	0.017	0.006
Cost	High	High	Moderate	Moderate
Working Life ^(a)	10 min	4 hr	10 min	4 hr
Thermal Conductivity (W/(m ² *k))	2.0	1.75	0.90	0.95
Full Cure at ^(b) :				
25 °C / 77 °F	5 hr	96 hr	5 hr	96 hr
65 °C / 149 °F	15 min	60 min	15 min	60 min
80 °C / 194 °F	10 min	–	12 min	–
100 °C / 212 °F	–	50 min	–	50 min
120 °C / 257 °F	7 min	–	7 min	–
160 °C / 302 °F	5 min	–	5 min	–
Shelf Life	3 yr	3 yr	3 yr	3 yr

(a) Cure and life values are based on 5 gram samples and at room temperature unless stated otherwise.

(b) Minimal service cure; for full cure, wait 24 hours

These adhesives bond very well to a variety of surfaces. It has a convenient 1-to-1 mixing ration and comes in different working times and conductivity levels.

- ▶ Moderate Cure / Extreme Conductivity (8330)
- ▶ Slow Cure / Extreme Conductivity (8330S)
- ▶ Moderate Cure / High Conductivity (8331)
- ▶ Slow Cure / High Conductivity (8331S)



Availability

Cat. no.	Form	Net Volume	Net Weight
8330-20G	Liquid	6 ml / 0.20 fl oz	20 g / 0.64 oz
8330-200ML	Liquid	200 ml / 6.76 fl oz	655 g / 21.06 oz
8330S-21G	Liquid	6 ml / 0.20 fl oz	21 g / 0.66 oz
8330S-200ML	Liquid	200 ml / 6.76 fl oz	690 g / 22.18 oz
8331-14G	Liquid	10 ml / 0.34 fl oz	14 g / 0.45 oz
8331-200ML	Liquid	200 ml / 6.76 fl oz	511 g / 16.43 oz
8331S-15G	Liquid	6 ml / 0.20 fl oz	15 g / 0.48 oz
8331S-200ML	Liquid	200 ml / 6.76 fl oz	486 g / 15.62 oz

