



# INTRODUCES...

## 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 <sup>(a)</sup>	10 min	4 hr	10 min	4 hr
Thermal Conductivity (W/(m*k))	2.0	1.75	0.90	0.95
Full Cure at <sup>(b)</sup> :				
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

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)

(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

### Availability

Cat. no.	Size	Net Volume	Net Weight	Shipping Weight
8330-20G	Liquid	6 ml / 0.20 fl oz	20 g / 0.64 oz	36 g / 1.2 oz
8330-606G	Liquid	184 ml / 6.22 fl oz	606 g / 1.35 lb	0.9 kg / 2.0 lb
8330S-21G	Liquid	6 ml / 0.20 fl oz	21 g / 0.66 oz	36 g / 1.2 oz
8330S-632G	Liquid	184 ml / 6.22 fl oz	632 g / 1.39 lb	0.9 kg / 2.0 lb
8331-14G	Liquid	10 ml / 0.35 fl oz	14 g / 0.45 oz	32 g / 1.0 lb
8331-454G	Liquid	184 ml / 6.22 fl oz	454 g / 1.0 lb	0.65 kg / 1.4 lb
8331S-15G	Liquid	6 ml / 0.20 fl oz	15 g / 0.48oz	36 g / 1.2 oz
8331S-459G	Liquid	184 mL/6.22 fl oz	459 g/1.01 lb	0.9 kg/2.0 lb

