



## Kapp EcoBabbitt

### Description & Applications

Kapp EcoBabbitt coatings are applied to capacitors and other electronic components as a protective coating to:

- Shield sensitive electronics against electromagnetic interference (EMI) & radio frequency interference (RFI)
- Shield against corrosion
- Prevent current and charge leakage out of and within the capacitor
- Prevent the development of electron flows within the coating material itself. These currents diminish coating effectiveness, capacitor performance, and capacitor life

Kapp Alloy developed the proprietary Precision Microcasting™ process specifically to address the adverse effects of segregation during billet and wire formation:

1. Excessive spray head wear and clogging
2. Excessively wide temperature requirements due to inconsistent alloys
3. Excessive wire breakage due to inconsistent alloys
4. Improper coating deposition due to inconsistent alloys
5. Current and charge buildup due to inconsistent alloys

Our proprietary Precision Microcasting™ process forms the wire directly from the molten alloy. The wire cools extremely quickly, maintaining a precise alloy from edge-to-edge and end-to-end through thousands of pounds of wire. In addition, several production steps have been eliminated to increase production efficiency and decrease potential errors and defects.

In addition to process variables affecting segregation, the greater the Zinc content the greater the possibility of segregation in the billet and wire. This increased segregation is avoided in Kapp Alloy's Precision Microcasting™ process by forming the wire directly from the molten alloy and cooling it quickly and consistently.

### Properties

Composition	
Sn (Tin):	90%
Zn (Zinc):	7%
Cu (Copper):	3%
Technical Data	
Melting Temperature Range:	392-432°F (200-222°C)

### Product Variants

**Kapp EcoBabbitt** is available in standard forms:

- 35 lb. (15.9 kg) ingots
- 6 lb. (2.7 kg) notch bars
- 1 lb. (0.5 kg) bars

Also available in standard spray wire forms on 25 lb spools and in 250 lb Payout Paks:

- 1/8" (0.125") (3.2mm)
- 0.098" (2.5mm)
- 0.079" (2mm)
- 0.062" (1.6mm)

Custom alloys and forms are our specialty. Call Kapp Alloy to discuss your specific project.