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## **FDA Approved Epoxy** **ERM2109** **Two Part Epoxy Adhesive**

**ER2109** is an aggressive yet easy to mix two-part epoxy adhesive made for adhesion to a variety of substrates. **ER2109** can be mixed in ratios of from 2:1 to 1:1 by weight or by volume and still deliver outstanding adhesive strength and chemical resistance. **ER2109** will adhere to most metals, wood, Styrofoam, glass, most engineering plastics and many surface treated polyolifins. Because of the slow gel time and simple mix ratios, **ER2109** lends itself to a variety of manual and automated dispense possibilities. Viscosity may be thixod for vertical and non-sag applications. The 2:1 mix ratio gives higher lap shears, higher tensile strength and lower elongation values. Complies with FDA 21CFR 175.300 and 21 CFR 176.170.

### **Typical Technical Properties:**

Part A: Color:	Clear
Viscosity:	10,000 cps
Part B: Color:	Amber
Viscosity:	8,000 cps
Mixed: Color:	Translucent amber
Viscosity:	9,000 cps
Mix Ratio: By Weight or by Volume	1:1
Gel time:     100 gram mass:	2 - 3 hours at 23°C
Thin film:	5 - 9 hours at 23°C
Full Cure Time:	16 hours at 23°C

