



ISO-9001-2015 Certified

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# TECHNICAL BULLETIN

## EPOXIOHM™ EO-30FST

### FAST SET ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

**EO-30-FST** is two-part, fast cure, silver filled, and high electrical conductivity epoxy adhesive. Both components are silver filled permitting a simple 1:1 mix ratio by weight. It has smooth creamy consistency. It can cure in 4 to 8 hours at room temperature.

Typical applications are lead terminations, bonding ferrites, circuits & conductive bonds on surface which will not tolerate the elevated temperatures required for fired-on coating or solders.

#### TYPICAL HANDLING PROPERTIES:

Consistency	Smooth paste
Mix ratio by weight/ Volume (A: B)	1:1
Working Time (20 grams)	8-12 minutes
Fixture Time	10-15 minutes
Shelf life @ 25°C	6-9 months
Recommended Cure	24 hrs @ 25°C
Alternate Cure	15-30 minutes @ 65°C

#### TYPICAL CURED PROPERTIES:

(Tested at 25°C unless otherwise indicated)

Color	Silver
Specific Gravity	2.4
Hardness	D-70
Service Temperature, °C	-55 to 150
Thermal Conductivity, W/m°K	1.5
Lap Shear Strength to Aluminum, psi	1400
Volume Resistivity, ohm-cm	0.002
Glass Transition Temperature (Tg), °C	45
Coefficient of Thermal Expansion, ppm/°C	
Below Tg	72
Above Tg	200

#### INSTRUCTIONS FOR USE:

1. Mix each component thoroughly before use.
2. Weigh each 10 grams of PART-A to 10 grams of Hardener PART-B.
3. Mix until uniform. Scrape the sides and bottom of container repeatedly during mixing.
4. Apply to clean bonding surfaces and cure as recommended to achieve the desired properties.
5. Typical cured properties were determined using recommended cure schedule.
6. Some difference in properties may occur with the alternate or other cure schedules.

#### AVAILABILITY:

**2 parts Kit** - Packaged in 4 OZ, 8 OZ and 1 lb. container.

**Premixed and frozen** - Packaged in 1cc, 3cc, 5cc and 10cc disposable syringes.

#### FOR INDUSTRIAL USE ONLY:

Practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

#### WARNING!

Adequate ventilation of work place and ovens is essential. These materials may cause injury to the skin following prolonged or repeated contact and dermatitis in susceptible individuals.

In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 10 minutes and seek medical attention. Refer to Safety Data Sheet (**SDS**) for additional health and safety information.

**DISCLAIMER:** All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent.