



## PRODUCT DATA SHEET

**LC-E110FR**

**2-Part Flame Retardant  
Epoxy Laminating Resin**

### Description

LC-E110FR is a two part flame retardant epoxy laminating resin designed for wet layup applications with self-extinguishing characteristics. LC-E110FR is a room temperature curing system which also allows for accelerated curing at elevated temperature.

### Advantages

The mixing and handling of LC-E110FR are easily adaptive to shop floor personnel. Complete wet out of various fabrics will be obtained with the reduced viscosity of the A and B combined mixture. Color coded part A and B allow user to ensure thorough mixing. LC-E110FR is self-extinguishing per FAR 25.853.

### Physical Properties & Mix Ratio

Density: 1.18 g/cm<sup>3</sup> per ASTM D792

Color Part A: Off White

Color Part B: Tan

Combined mixture: Amber Liquid

Mix Ratio by weight: 100:10

### Available Packaging

1 gallon kit (8.2 lbs.) (LC-E110FR/1)

5 gallon kit (41 lbs.) (LC-E110FR/5)

Other packaging available upon request

Note: Part A should be mixed prior to measuring out quantity to be used as some separation may occur.

### Pot/Shelf Life

Pot Life at Room Temperature: 70° F (21° C): 20 Minutes (500 grams mass)

Shelf Life at Room Temperature: 70° F (21° ): 12 months

**CAUTION: WHEN MIXING QUANTITIES IN EXCESS OF 500 GRAMS, USE CAUTION AS LARGER MIX QUANTITIES AND/OR EXCESSIVE MIX TIME CAN CAUSE AN INCREASED EXOTHERMIC (IE. VERY HOT) REACTION. THE USER IS ENCOURAGED TO DEVELOP STANDARD MIX PRACTICES.**

### Cure Cycle Recommendations

Handling Strength: 24 hours at Room temperature (70° F) (21° C)

Accelerated Handling Strength: 120 minutes at 150° F (65° C)

Full Strength/Cure: 7 Days at Room temperature (70° F) (21° C)

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