



## PRODUCT DATA SHEET

LC-E110

2-Part Flame Retardant Epoxy Laminating Resin

### Description

LC-E110 is a two part flame retardant epoxy laminating resin designed for wet layup applications with self-extinguishing characteristics. LC-E110 is a room temperature curing system which also allows for accelerated curing at elevated temperature.

### Advantages

The mixing and handling of LC-E110 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.

### Physical Properties & Mix Ratio

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

Color Part A: Amber

Color Part B: Tan

Combined mixture: Amber Paste

Mix Ratio by weight: 100:16

### Available Packaging

1 gallon kit (8.2 lbs.) (LC-E110/1)

5 gallon kit (41 lbs.) (LC-E110/5)

Other packaging available upon request

### 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° C): 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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