

L-363FR

Laminating Matrix, Two-component



851 W. 18th Street
Costa Mesa, CA 92627
(949) 650-8106 Fax:(949) 631-6190
www.jdlincoln.com

Product Data Sheet

Revised: 10/29/08

Description

L-363FR is a two-component liquid laminating matrix which cures at room temperature. Using a flame retardant epoxy resin formulation, L-363FR is ideal for wet lay up of fiberglass, aramid, or carbon fiber composites. Color coded components allow for visual check for thorough mixing.

Advantages of L-363FR

- ❖ The ease of working with L-363FR results in quick acceptance in the shop environment.
- ❖ The consistency allows for easy mixing and subsequent fabric impregnation.
- ❖ L-363FR can be worked into the fabric with standard shop hand tools.
- ❖ Laminates made from L-363FR meet FAR part 25.853 12" and 60" vertical burn requirements.

Physical Properties

- *Form:* Pourable Liquid
- *Part A:* Cream, medium viscosity liquid
- *Part B:* Tan, low viscosity liquid
- *Color Mixed:* Low-medium viscosity liquid

Mix Ratio and Pot Life

- *Mix 100 Parts A to 16 Parts B by weight*
- *Pot Life at RT (75°F or 24°C) (500 gram mass): 30 minutes*

Availability

- *1 Gallon (3.8 L) Kit*
- *5 Gallon (18.9 L) Kit*



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Shelf Life

- *6 months at Room Temperature (75°F or 24°C)*

Cure Cycles

- *Full cure: 7 days at room temperature (75°F or 24°C)*
- *Handling strength: 4 hours at room temperature (75°F or 24°C)*
- *Accelerated cure: 2 hours at 150°F (66°C)*

CAUTION: Care should be taken with batches over 300 grams total weight. Large batches or those which are mixed in excess of recommended ratios may become exothermic (i.e., VERY HOT). The user is encouraged to develop standard batch mix sizes.

NOTICE:

Product data and parameters cited in this publication have been obtained in J.D. Lincoln, Inc. laboratories using the materials under carefully controlled conditions. The information, therefore, is believed to be accurate and correctly stated. Data of this type may be considered to be indicative of representative properties obtainable. J.D. Lincoln, Inc. cannot accept responsibility for the misapplication of these products, nor for their use under uncontrolled conditions. Numerical values resulting from the application of

this material are dependant on processing details. It is recommended that the user develop his or her own application techniques and generate data consistent with his or her specific application and process.



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