



PRODUCT DATA SHEET

LC-E107

2-Part Low Density Flame Retardant
Core Edge Fill

Description

LC-E107 is a two part, low density flame retardant epoxy designed for honeycomb core edge closeout. LC-E107 is self-extinguishing per FAR 25.853.

Advantages

LC-E107 is a viscous, non-slump, non-sag material engineered to save weight vs. commercially available edge fill products. Once cured, LC-E107 is easily sanded while maintaining a complete moisture barrier at the panel edge. LC-E107 can be cured at room temperature or elevated temperatures for accelerated handling Strength.

Physical Properties & Mix Ratio

Density Part A: 0.48 g/cm³ per ASTM D792
Density Part B: 0.63 g/cm³ per ASTM D792
Part A: White paste
Part B: Light yellow paste
Combined mixture: Off white paste
Mix Ratio by weight: 1:1

Available Packaging

1 gallon kit (8.1 lbs.) (LC-E107/1)
5 gallon kit (40.5 lbs.) (LC-E107/5)
Other packaging available upon request

Pot/Shelf Life

Pot Life at Room Temperature: 70° F (21° C): 60 Minutes (500 gram mass)
Shelf Life @ 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: 4 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)

Mechanical Properties				
Property	Tested per Specification	-67° F	70° F	160° F
Compression (psi)	ASTM D695	N/A	2600	N/A
Hardness (Shore D)	ASTM D2240	N/A	75	N/A
Flammability	FAR 25.853 (12s Vertical)	N/A	PASS	N/A

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