



PRODUCT DATA SHEET

LC-E102
2-Part Flame Retardant
Core Edge Fill

Description

LC-E102 is a two part low density flame retardant epoxy designed for honeycomb core edge closeout. LC-E102 is a viscous, non-slump, non-sag material which is ideal for vertical applications.

Advantages

The mixing and handling characteristics make LC-E102 an asset on the shop floor. Once cured, LC-E102 is easily sanded to prevent damage to fragile honeycomb cells. Color coded Part A and Part B allow user to ensure thorough mixing. LC-E102 can be cured at room temperature or elevated temperatures for accelerated handling strength.

Physical Properties & Mix Ratio

Density: .91 g/cm³ per ASTM D792
Part A: Grey paste
Part B: Cream paste
Combined mixture: Grey paste
Mix Ratio by weight: 2:1

Available Packaging

1 gallon kit (11.6 lbs.) (LC-E102/1)
5 gallon kit (58 lbs.) (LC-E102/5)
Other packaging available upon request

Pot/Shelf Life

Pot Life at Room Temperature: 70° F (21° C): 60 Minutes (500 grams 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
Hardness (Shore D)	ASTM D2240	N/A	71	N/A
Lap Shear (psi)	ASTM D1002-10	N/A	1100	N/A
Compression (psi)	ASTM D695	N/A	5900	N/A

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