

# L-9150

## Aircraft Interior Room Temperature Cure Fire Resistant Adhesive

### Product Description

L&L Products has developed an epoxy-based, fire resistant adhesive for aircraft interiors designed to bond to various substrates (metal, thermoplastics and composites) that are common to the aerospace industry.

L-9150 is a two component adhesive which cures at room temperature or can be accelerated with heat and provides high performance bonding. It is designed for interior applications and meets the latest FAA vertical burn regulations.

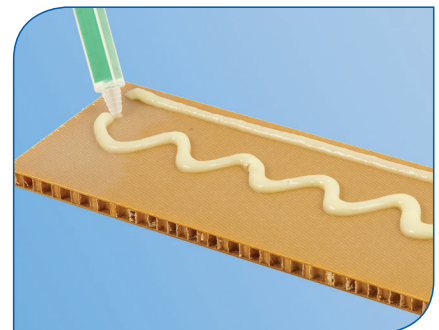
L-9150 has a convenient one to one mix ratio and can be supplied in twin-barrel cartridges, pails, or drums. The user-friendly packaging doesn't require weighing or hand mixing.

### Key Product Attributes

- Vertical burn regulation compliant - FAR 25.853
- Extended work life due to delayed amine blush
- Non-slumping
- High strength bonding
  - Dissimilar substrate
  - Composite
  - Metal
  - Glass

### Typical Application Areas

- Panel assembly
- Bracket bonding
- Aircraft interiors



## Technical Data

TYPICAL PROPERTIES		
Physical Properties	Color	Off white
	Work Life (10 grams)	35-50 min
	Mix Ratio	1:1
	Cured Density	1.24 g/cc
Mechanical Properties	Tensile strength on BR-127 Primed Al cured 24 hours at 23°C	> 16 MPa (2300 psi)
	Tensile strength on etched 2024 T3 Al cured 24 hours at 23°C	> 16 MPa (2300 psi)
Fire Properties	60 sec Vertical Burn 6.35 mm (FAR 25.853 App F Part 1 (a)(i))	PASS
	Toxicity (Flaming) ABD0031, AITM 3-005, Issue 2	PASS
	FAA Smoke Density FAR 25.853 App F Part V (d)	PASS

## Bonding Process

- Parts should be mated and in final position before the expiration of the working time and should remain in position unstressed and undisturbed until the end of the fixture time has passed.
- Note that working and fixture time are affected by temperature. Elevated temperatures accelerate cure and shorten working and fixture times, whereas lower temperatures slow reaction speed down and lengthen these times. The application temperature for the adhesive and parts should be between 15°C and 30°C (60 and 85°F).

## Shelf Life & Storage Conditions

Best results within 6 months if stored between -10°C and 23°C (14°F and 73°F) in original packaging. Long term exposure to elevated temperature can cause the material to lose performance characteristics. Keep away from direct sunlight and all sources of heat and ignition.

## Surface Preparation

The substrates must be clean, dry, and free of dust. Clean surfaces using a general purpose industrial organic solvent. It may be necessary to use an additional surface preparation product (e.g. surface sanding, acid etching for aluminum or primer for thermoplastics) for optimal adhesive behavior.

## Health & Safety

- Consult product specific Safety Data Sheet.

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made regarding its accuracy, reliability, or completeness by L&L Products or any of its affiliates. It is the responsibility of the user to assure the suitability and completeness of such information and any depicted product for the particular use of the user. L&L Products and its affiliates accept no liability for any loss or damage that may occur from the use of this information or any depicted product. L&L Products and its affiliates specifically and expressly disclaim any and all warranties, express or implied, including warranties of merchantability, fitness for a particular purpose, and freedom from claims of infringement of the rights of others associated with the sale or use of any product depicted. L&L Products and its affiliates further disclaim any liability for consequential or incidental damages of any kind, including lost profits.