



## Tech Data Sheet

### U500 & MEK

Urethane Adhesive and Thinner



#### Description

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The U500 urethane adhesive is an air dry glue used to attach the Superflite fabric and tapes to the airframe.

The MEK (Methyl Ethyl Ketone) is the reducer used for thinning the U500.



#### Components

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- U500 Adhesive
- MEK – Methyl Ethyl Ketone



#### Mixing Ratio

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For initial airframe coating:

2:1 – 2 parts MEK, 1 part U500

For attaching fabric to the airframe:

3:1 – 3 parts MEK, 1 part U500

For surface tape attachment:

3:1 – 3 parts MEK, 1 part U500



#### Clean Up

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Glue drips and runs can be cleaned with an MEK-soaked rag.



#### Suitable Substrates

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- Superflite fabric
- Superflite fabric tapes



## Surface Preparation

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### *For metal surfaces:*

Before applying the U500 mixture to the frame or any metal part, be sure to prime it with the Superflite SF10/SF320 Epoxy Primer.

### *For wood surfaces:*

Before applying the U500 mixing to a wooden frame, be sure the surface is properly varnished with a 2-part (catalyzed, not air dry) epoxy varnish.



## Application

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Number of Coats on Frame: 2

Number of Coats for fabric & tape attachment: 1-2

Application Density: Medium-wet to wet

Flash: 2-5 minutes at 70° F

Application Conditions: *Minimum Temp* none

*Max Temp* none

*Ambient Humidity* up to 100%



## Equipment Recommendations

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Superflite KA25B25 Gluemaster

2" natural bristle paint brush

F-style gallon can



## Flash/Dry Times

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Ambient Application (reported at 70° F and 50% humidity)

Flash Between Coats                      2-5 minutes



## Physical Data

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### *U500:*

Appearance & Odor

Green color, viscous liquid, acetone solvent odor

Vapor Density

2.0

Evaporation Rate

Greater than Butyl Acetate

Boiling Point or Range

132° F

Flashpoint

-4° F

### *MEK:*

Appearance & Odor

Colorless; solvent odor

Vapor Density	Heavier than Air
Evaporation Rate	Slower than Ether
Boiling Point or Range	175° F
Flashpoint	22° F



### **Safety**

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Before using any Superflite product be sure to read all MSDS, application instructions, and warnings. Always wear a properly fitted air purifying respirator with organic cartridges and a particulate filter or a fresh air supplied respirator (depending on product selection), eye protection, gloves, and protective clothing while exposed to any chemical.



### **Warning Statement**

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