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AeroMarine Cycloaliphatic “Non Blushing” Epoxy #300/21

AeroMarine 300/21 is a low viscosity cycloaliphatic epoxy system is primarily used for laminating, coating, and casting small objects. It contains no VOCs, and is relatively moisture insensitive.

Seven advantages of cycloaliphatic epoxies vs. conventional epoxies are:

- Resistance to amine blush
- Better sunlight and UV resistance
- Useable in damp conditions and high humidity
- Excellent gloss
- Excellent chemical resistance
- Cures well even at low temperature
- Less need for sanding between coats

Uses include:

- Laminating boats and aircraft using fiberglass, carbon fiber, or Kevlar cloth
- Casting small objects
- Building “stitch and glue” boats
- Potting electronic assemblies
- Potting specimens for measurement
- Coating wood and concrete
- Bonding and adhering wood, metal, concrete, and most plastics
- Flooring
- Pouring countertops and bartops

The mix ratio is a simple 2:1 by either weight or volume. AeroMarine 300/21 is a clear amber color and is a very thin liquid. It has a working life of about 30 minutes, and sets hard in a few hours.

Specifications:

Mixed viscosity:	600cps
Color:	Clear Amber
Work life:	30minutes@70F
Cure time:	24 hours@70F
Shore D Hardness	80-85
Shear strength:	2500psi
Tensile Strength	10,500psi
Flexural strength:	17,500psi
Modulus of elasticity:	5.7×10^6

Directions for use:

Mix 2 parts AeroMarine 300 Resin to 1 part AeroMarine 21 hardener. To avoid excess exotherm, mix small batches until you are familiar with using this material. If laminating with cloth, it is best to apply subsequent layers within 18 hours.

For industrial or professional use only.

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