

# PAINT • DOPE • COVERING SUPPLIES

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## Randolph Products

### Randolph Dopes for Cotton and Linen

#### 210 Tautening Nitrate Dope (Clear)

Used to seal and shrink organic fabrics, Grade A cotton, Irish Linen, silk and silkspan for model airplanes. Not recommended for use on Ceconite or other synthetic polyester fabrics. Thin 1:1 with 286 Nitrate Thinner.

1 quart.....	20-210-3 .....	<b>\$14.65</b>
1 gallon.....	20-210-4 .....	<b>\$44.10</b>
5 gallon.....	20-210-5 .....	<b>\$212.35</b>
55 gallon.....	20-210-55 .....	<b>\$2,232.00</b>

#### 9701 Tautening Butyrate Dope (Clear)

Used to shrink and seal organic fabrics, Grade A cotton and Irish Linen. Not recommended for use on Ceconite or other synthetic polyester fabrics. Thin 1:1 with 286 Nitrate Thinner.

1 quart.....	20-9701-3 .....	<b>\$15.60</b>
1 gallon.....	20-9701-4 .....	<b>\$46.60</b>
5 gallon.....	20-9701-5 .....	<b>\$224.40</b>
55 gallon.....	20-9701-55 .....	<b>\$2,364.05</b>

**If you don't find the part you need, be sure to give us a call. We are here to help you with all of your classic aircraft needs!**

### Randolph Nitrate Dopes for Ceconite

#### G-6302 Rand-O-Proof (Green)

Initial nitrate primer for ceconite fabric, tinted green. Thin 1:1 with 286 Nitrate Thinner before use. Do not use without thinner. The first coat is brushed to insure proper encapsulation of the fabric. When properly done, both sides of the fabric will be wet. Also used to apply tapes. **Do not add New Super Seam to Rand-O-Proof to improve adhesion when applying tapes!** This is an old technique that is no longer applicable.



1 quart.....	20-G6302-3 .....	<b>\$16.20</b>
1 gallon.....	20-G6302-4 .....	<b>\$48.20</b>
5 gallon.....	20-G6302-5 .....	<b>\$233.40</b>

#### Non-Tautening Nitrate Dope

This non-tautening nitrate dope specially formulated for the first coats on Ceconite polyester fabric. It is also used to apply finishing tapes and to pre-coat large surfaces of wood or metal that will be covered with fabric. Pre-coating wood or metal with nitrate dope promotes adhesion and helps prevent pinholes in subsequent coatings. Available in blue tint or clear.



E-4964 is completely clear and is used on open-cockpit aircraft fuselages or any place tinted nitrate is not desired. Thin 1:1 with 286 Nitrate Thinner.

#### W-7868 Blue

1 quart.....	20-W7868-3 .....	<b>\$16.05</b>
1 gallon.....	20-W7868-4 .....	<b>\$47.85</b>
5 gallon.....	20-W7868-5 .....	<b>\$231.50</b>
55 gallon.....	20-W7868-55 .....	<b>\$2,442.10</b>

#### E-4964 Clear

1 quart.....	20-E4964-3 .....	<b>\$15.95</b>
1 gallon.....	20-E4964-4 .....	<b>\$47.60</b>
5 gallon.....	20-E4964-5 .....	<b>\$230.60</b>
55 gallon.....	20-E4964-55 .....	<b>\$2,431.70</b>

#### 286 Nitrate Thinner

Used to reduce G-6302 Rand-O-Proof, W-7868 Non-Tautening Nitrate Dope (Blue) and E-4964 Non-Tautening Nitrate (Clear). Mix ratio 1:1.

1 quart.....	20-286-3 .....	<b>\$11.00</b>
1 gallon.....	20-286-4 .....	<b>\$42.00</b>
5 gallon.....	20-286-5 .....	<b>\$210.00</b>
55 gallon.....	20-286-55 .....	<b>\$1,900.00</b>



## Randolph Butyrate Dopes for Ceconite

### Non-Tautening Butyrate Dope

Non-tautening butyrate dope is the recommended second product applied to fabric in sequence over the nitrate dope coats in the Ceconite/Randolph process. Nitrate dope is used only for the initial coats on Ceconite; butyrate is used for all others. Clear butyrate is used as a build coat to add thickness and body to the dope film while retaining flexibility. W-8350 is tinted transparent tan to help see the product as it is applied. A-1690 is clear for surfaces that will be seen from the inside, like an open cockpit. Thin both with a 1:1 ratio of 9703 Butyrate Thinner.

#### W-8350 Transparent Tan

1 quart.....	20-W8350-3	\$16.85
1 gallon.....	20-W8350-4	\$50.15
5 gallon.....	20-W8350-5	\$242.50
55 gallon.....	20-W8350-55	\$2,563.35

#### A-1690 Clear

1 quart.....	20-A1690-3	\$16.70
1 gallon.....	20-A1690-4	\$49.90
5 gallon.....	20-A1690-5	\$241.45
55 gallon.....	20-A1690-55	\$2,551.60

### 9703 Butyrate Thinner

Used to reduce all butyrate products, tautening or non-tautening to spray viscosity. It is normally mixed 1:1 with butyrate dopes.

1 quart.....	20-9703-3	\$11.30
1 gallon.....	20-9703-4	\$42.75
5 gallon.....	20-9703-5	\$210.00
55 gallon.....	20-9703-55	\$1,910.00

### G-6303 Silver Rand-O-Fill

Pre-mixed non-tautening butyrate silver coating for UV protection. It has the correct amount of aluminum flake to insure full protection for Ceconite fabric. Mix 1:1 with 9703 Butyrate Thinner and apply by spray gun. Rand-O-Fill may be applied to either nitrate or butyrate subcoats. Ceconite fabric without the protection of Silver Rand-O-Fill will have a fraction of the service life of fabric coated with Rand-O-Fill.



1 quart.....	20-G6303-3	\$18.45
1 gallon.....	20-G6303-4	\$55.55
5 gallon.....	20-G6303-5	\$269.25

## Randolph Epoxy Products

Epoxy primer comes in two colors: white or dark green; both have identical properties and ingredients and vary only by color. Cured epoxy primers are completely solvent resistant and are not wrinkled or lifted by fabric cements or dopes. White is the easiest color to use under any color paint and is always a better choice for aluminum, steel or composites that will be topcoat painted. Dark green is white primer tinted green for those who want to simulate the color of WWII zinc chromate on war birds.

### W-2248 Epibond Epoxy Primer (Off White)

For use primarily on aluminum and composite surfaces. Mix 2 parts primer to 1 part EP-430 catalyst; let stand for 30 minutes before applying. See *Ceconite Procedure Manual* for additional information.

1 quart.....	20-W2248-3	\$48.35
1 gallon.....	20-W2248-4	\$165.40
2½ quart kit*.....	20-W2248-3KIT	\$84.00
2½ gallon kit*.....	20-W2248-4KIT	\$294.20

\*Kits include primer, EP-430 catalyst, and E-500 reducer.



### B-6433 Rand-O-Plate Epoxy Primer (Dark Green)

For use primarily on steel surfaces. Mix 2 parts primer to 1 part EP-430 catalyst; let stand for 30 minutes before applying. See *Ceconite Procedure Manual* for additional information.

1 quart.....	20-B6433-3	\$48.35
2½ quart kit*.....	20-B6433-3KIT	\$84.00
1 gallon.....	20-B6433-4	\$165.40
2½ gallon kit*.....	20-B6433-4KIT	\$294.20

\*Kits include primer, EP-430 catalyst, and E-500 reducer.



### EP-430 Epoxy Primer Catalyst

Mix one part catalyst to two parts EP-420 Epoxy Metal Primer.

1 pint.....	20-430-2	\$20.65
1 quart.....	20-430-3	\$35.00

### EV-400 Epoxy Varnish

Two-part varnish that gives superior protection and performance over older one-part "spar" varnishes. EV-400 is completely impervious to fabric cements and dope when cured, so there is no need to use a dope proof paint over it. Epoxy varnish may be used on either old or new wood. It can be brushed or sprayed and is applied without harm directly over old varnishes to provide superior solvent resistance and protection from fabric cements and dopes.

Mix 1 part EV-410 catalyst to 2 parts EV-400 varnish.

1 quart.....	20-400-3	\$43.25
1 gallon.....	20-400-4	\$146.70
2½ quart kit*.....	20-400-3KIT	\$76.50
2½ gallon kit*.....	20-400-4KIT	\$266.60

\*Kits include EV-400 varnish, EV-410 catalyst and E-500 reducer.

### E-500 Epoxy Thinner

Used to thin Epibond and Rand-O-Plate primer as well as EV-410 Epoxy Varnish. Follow thinning directions on the primer and varnish cans. Do not substitute other solvents or thinners in these epoxy products.

1 quart.....	20-500-3	\$15.00
1 gallon.....	20-500-4	\$58.80



### EV-410 Epoxy Varnish Catalyst

Use with EV-400 Epoxy Varnish. Add exactly 1 part catalyst to 2 parts varnish. Stir thoroughly and allow 20 minutes before application.

- 1 pint ..... 20-410-2 ..... **\$18.25**
- 1 quart ..... 20-410-3 ..... **\$30.55**



### E-501 Epoxy Accelerator

Accelerates the drying time of epoxy primer or varnish in cold weather.

**EPOXY PRIMERS:** Add 1 to a maximum of 2 fluid ounces of accelerator to a quart of catalyzed and thinned epoxy primer. Do not exceed 2 fluid ounces per quart.

**EPOXY VARNISH:** Add 1 to a maximum of 3 fluid ounces to a quart of catalyzed and thinned varnish. Do not exceed 3 fluid ounces per quart.

- ½ pint ..... 20-501-1 ..... **\$12.00**

## Randolph Miscellaneous Products

### Acid Proof Battery Box Black Paint

An asphaltic coating used to provide protection from battery acid in battery boxes and compartments. Applied with a brush or roller to any metal area that may be exposed to leaking battery acid. Thin with 1 part 286 Nitrate Thinner to 5 parts paint.

- 1 quart ..... 20-345-3 ..... **\$16.85**
- 1 gallon ..... 20-345-4 ..... **\$50.45**

### Y-9910 Universal Retarder

A mixture of slow-evaporating solvents that may be used with either butyrate dope, nitrate dope, or Randacryl. Recommended to prevent blush in high humidity. Also aids in dope leveling and gloss enhancement when used in final color coats. Mix 1 part retarder to 3 parts thinner, then mix 1:1 with base component.

- 1 quart ..... 20-Y9910-3 ..... **\$14.80**
- 1 gallon ..... 20-Y9910-4 ..... **\$44.35**
- 5 gallon ..... 20-Y9910-5 ..... **\$213.65**



### Wing Walk Compound

A brush-on coating for wing walks or any area where a gritty, non-skid walkway is desired. Formulated to remain relatively soft throughout its service life to promote adhesion and prevent chipping. Thin with 1 part toluene to 5 parts wing walk compound.

**Black**

- 1 quart ..... 20-X1567B-3 ..... **\$22.00**
- 1 gallon ..... 20-X1567B-4 ..... **\$78.00**

**Gray**

- 1 quart ..... 20-X1567G-3 ..... **\$23.00**
- 1 gallon ..... 20-X1567G-4 ..... **\$80.00**

### J-3000 Butysolv Rejuvenator

A mixture of solvents and plasticizers designed to soften, rejuvenate and revitalize weathered or old butyrate dope finishes on fabric covered surfaces. Mix 2 parts J-3000 Butysolv Rejuvenator to 3 parts 9703 Butyrate Thinner.

- 1 quart ..... 20-J3000-3 ..... **\$27.20**
- 1 gallon ..... 20-J3000-4 ..... **\$81.65**
- 5 gallon ..... 20-J3000-5 ..... **\$400.15**

### 701 Aluminum Paste

Added to clear butyrate dope to make a UV protective dope coating. Mix 4 ounces by weight to 1 gallon butyrate dope.

- 1 pound can ..... 20-701 ..... **\$21.10**



### C-2210 Paint Surface Cleaner

A mild solvent cleaner used to clean surfaces before spray painting.

- 1 quart ..... 20-C2210-3 ..... **\$11.90**
- 1 gallon ..... 20-C2210-4 ..... **\$45.00**

### Float Lacquer

A silver coating for aircraft floats. Can be applied by brush, but more suitable for spraying. Its service life is far less than today's polyurethanes, but its ease of application and repair make it a useful product. Apply over epoxy-primed metal or directly over old float lacquer. Thin 1:1 with 286 Nitrate Thinner.

- 1 quart ..... 20-FL-3 ..... **\$17.50**
- 1 gallon ..... 20-FL-4 ..... **\$52.75**

## Randolph Fast Dry Engine Enamels

Engine enamels are formulated to use on engine crankcases and cylinders usually after engine overhaul or for general maintenance. They are heat resistant and provide good gloss and color retention. Thin with 1 part 257 Enamel Thinner to 5 parts engine enamel.

**Black**

- 1 quart ..... 24-303-3 ..... **\$22.00**
- 1 gallon ..... 24-303-4 ..... **\$65.95**

**Continental Gold**

- 1 quart ..... 24-D5973-3 ..... **\$22.00**
- 1 gallon ..... 24-D5973-4 ..... **\$65.95**

**Lycoming Gray**

- 1 quart ..... 24-G5436-3 ..... **\$22.00**
- 1 gallon ..... 24-G5436-4 ..... **\$65.95**

### 257 Enamel Thinner

Special formulation for use with Fast Dry Engine Enamels only. Mix 1 part thinner to 5 parts engine enamel for spray viscosity.

- 1 quart ..... 23-257-3 ..... **\$12.00**
- 1 gallon ..... 23-257-4 ..... **\$46.00**

### E-9313 Enamel Hardener/Gloss Additive

E-9313 is a special drier/additive that modifies engine enamel into a stronger film that dries faster and creates an even, glossier surface. Adding 2 fluid ounces per thinned quart improves the gloss and removes the tendency for engine enamel to remain slightly tacky for long periods. Do not add more than 2 fluid ounces; more than this amount can cause the enamel to curdle.

1 pint ..... 23-E9313-2 ..... **\$15.05**



### Randolph Colored Butyrate Dope

#### Randolph Colored Butyrate Dope

See chart on page 252 for available colors and sizes.

Non-tautening high quality dope made only from premium non-bleeding pigments. Colors are available in quart and gallon containers. Standard colors are shown on the Flight Proven aircraft color card. Thin one to one with 9703 butyrate thinner before spraying.

Colored butyrate dope sticks to fabric very well but doesn't work well on metal or fiberglass. If sprayed onto primed aluminum or fiberglass, there's a good chance it will peel off in a very short time.

All colors, especially yellow, orange, and red butyrates, will appear much more brilliant if you spray two coats of white butyrate onto the surface first. This helps reduce their transparency and reflects more of their color.



### Randolph Aircraft Enamels

#### Randolph Enamel Paints

Randolph Enamel is available in the same 50 colors as Colored Butyrate Dope and Ranthane. See chart on page 252 for available colors and sizes.

Enamel paints are for primed metal or composites only! Enamels were formulated for painting components of fabric-covered aircraft like cowlings and fairings. They come in colors that match their butyrate counterparts, but they have higher gloss and depth. Remember that this is the way all the production vintage aircraft of the '30s and '40s looked: satin-finished dope fabric surfaces and shiny metal parts. Enamel is a different product from dope; they don't look the same side by side, but then again, they didn't in 1946 either. Don't use enamel on steel tube frames or on parts that will be exposed to fabric cements or dope which will wrinkle enamel. **DO NOT USE ENAMEL ON FABRIC!** It is far too brittle and will crack in short order.

### Ranthane High Solids

#### Ranthane High Solids Polyurethane Paint

See chart on page 252 for available colors and sizes.

This wet-look, high gloss two-component paint sticks well to everything, so you can use it on fabric, primed metal, and fiberglass. You can use Ranthane HS over fabric and metal parts; all surfaces will have the same gloss and uniform look. It is impervious to chemicals, avgas, and staining.



**Ranthane HS requires only half the catalyst than the original version of Ranthane products, or a 2:1 ratio.**

The original version of Ranthane products are no longer available. Use only AU-CAT-2X1 catalyst and G-4200 thinner.

Ranthane is flexible enough for use over fabric and has an outstanding service record. You can also paint primed steel tubing that will come in contact with fabric cement and dope with no fear of lifting. The down side of Ranthane polyurethane is that it is more difficult to repair than dope (you must sand it off), and it cannot be rejuvenated because it is impervious to solvents.

#### AU-CAT-2X1 Ranthane Catalyst

The only catalyst approved for Ranthane. Mixing ratio is 2:1. One gallon of Ranthane requires 2 quarts of catalyst. One quart requires 1 pint of catalyst.

1 pint ..... 22-AUCAT2X1-2 ..... **\$33.50**  
1 quart ..... 22-AUCAT2X1-3 ..... **\$63.15**



#### G-4200 Ranthane Thinner

A special blend of solvents specifically formulated for use with Ranthane polyurethane paint. Typical thinning ratio is 33%, or 1 part thinner to 3 parts catalyzed Ranthane.

1 quart ..... 22-G4200-3 ..... **\$14.00**  
1 gallon ..... 22-G4200-4 ..... **\$49.00**  
5 gallon ..... 22-G4200-5 ..... **\$145.30**

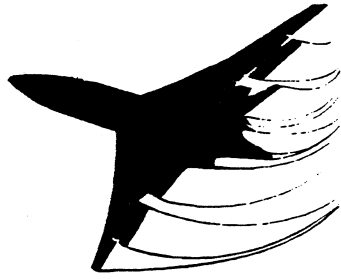


#### D-7201 Ranthane Accelerator

Accelerates the drying time of Ranthane. Used to speed drying time in cooler spraying temperatures (60s), or to accelerate drying time when airborne dirt contamination is a problem. Add AU-CAT-2X1 catalyst to Ranthane before adding D-7201 accelerator. Use up to 4 fluid ounces per catalyzed gallon.

1 quart ..... 22-D7201-3 ..... **\$44.85**

View our full line of PAINTS, DOPES and FABRICS online at [www.univair.com](http://www.univair.com)



*Flight Proven® ....*  
**Ranthane-HS**  
 HIGH SOLIDS RANTHANE



**Ranthane® High Solids Polyurethane Topcoat** is the second generation low VOC, low viscosity Ranthane finish. Ranthane HS combines ease of application with excellent hiding qualities, chemical resistance, flexibility, durability, and low cost. This material has emerged from our extensive research and development in military specification coatings for the aerospace industry.

Ranthane HS is a two component catalyzed urethane consisting of Component A, a pigmented polyester resin, and Compound B, a clear aliphatic isocyanate catalyst (part #AU-CAT-2X1, the number delineates that this is an aircraft catalyst with a 2:1 mix ratio). It is available either as a gallon of color and two quarts of catalyst or a quart of color and one pint of catalyst. The mixture is 2:1 (paint to catalyst) with a pot life of at least 6 hours. The admixed Ranthane HS can be used immediately with no degradation in adhesion or dry film properties. Spraying properties are excellent as admixed with good leveling, flow out and absence of texturing or orange peel. This is a state of the art, user friendly, EPA compliant topcoat which is being phased in to replace our standard Ranthane colors.

This is a two component catalyzed urethane consisting of Compound 1, pigmented polyester resin and Component 2, clear aliphatic isocyanate (part #AU-CAT-2X1). It is available either as a gallon of color and two quarts of catalyst or a quart of color and two pints of catalyst.

**Color:** Standard Ranthane colors

**Description:** High solids urethane aliphatic isocyanate

**Application:** The mixture is a 2:1 mixture of component 1 and component 2. Through mixing is essential. The mixture can be used immediately with no degradation in adhesion or film properties.

*Note: Pot life after mixing is approximately six hours. This will vary with color, temperature and humidity.*

First spray a light mist coat over G-2404/G-2405 Ranthane (yellow) Epoxy Primer/Catalyst, W-2248/W-2249 Epibond (dark green) Epoxy Primer/Catalyst or E9945/E9946 Epoxy (light gray) Primer/Catalyst. Wait 10-15 minutes. Open the gun for a slightly wetter spray on the second pass and wait 10 minutes. On the final pass open the gun for a slightly wetter spray and topcoat to 1.7 to 2.3 mils.

*Note: Total dry film thickness should be 2.3 to 3.2 mils.*

Suggested equipment settings:

Gun atomizing pressure: ..... 45 to 55 lbs.

Pot fluid pressure: ..... 10 to 15 lbs.

Temperature: ..... 75° to 80° F

**Reduction:** The admixed Ranthane Primer may be reduced with G-4200 Ranthane Thinner. **DO NOT EXCEED MAXIMUM VOC.**

**Use:** Ranthane is an exterior protective coating for metal surfaces or Ceconite fabric (consult current *Randolph Procedures Manual* regarding application over Ceconite) and is suitable for exterior application on aerospace equipment.

**Primer:** G-2404/G2-405 Ranthane (yellow) Epoxy Primer/Catalyst, W-2248/W-2249 Epibond (dark green), Epoxy Primer/Catalyst or E-9945/E-9946 Epoxy (light gray) Primer/Catalyst

**Associated Products:** D-7201 Accelerator – speeds up dry time

**Properties:** **VOC (lbs/gal):** 3.25 (approximate dependent on color)  
**Dry Time:** Force drying is not applicable to this material. 8 hour cure to handle; 24 hour cure to package; 8 days for full cure.  
**Weight lbs. per Gallon:** 11-12 (approximate, dependent on color)  
**% Solids by Weight (+/-2):** 69 (approximate, dependent on color)  
**Flash Point:** 21° F  
**Gloss:** Minimum 90° @2.0 mils +/-0.3 mil

**Viscosity of admixed coating through a #4 Ford Cup**

Time from mix	Max time through cup
Initially	30 seconds
4 hours	60 seconds
8 hours	no gel

# PAINT • DOPE • COVERING SUPPLIES



Description	Colored Butyrate Dope		Ranthane High Solids*		Enamel Colors	
	1 quart	1 gallon	1 quart	1 gallon	1 quart	1 gallon
Black, Dakota	21-H6117-3 \$27.85	21-H6117-4 \$97.40	22-H6117-3 \$76.75	22-H6117-4 \$230.60	23-H6117-3 \$30.60	23-H6117-4 \$107.10
Blue, AN (True)	21-W9506-3 \$27.85	21-W9506-4 \$97.40	22-W9506-3 \$76.75	22-W9506-4 \$230.60	23-W9506-3 \$30.60	23-W9506-4 \$107.10
Blue, Bahama	21-H9170-3 \$27.85	21-H9170-4 \$97.40	22-H9170-3 \$76.75	22-H9170-4 \$230.60	23-H9170-3 \$30.60	23-H9170-4 \$107.10
Blue, Insignia	21-M9502-3 \$27.85	21-M9502-4 \$97.40	22-M9502-3 \$76.75	22-M9502-4 \$230.60	23-M9502-3 \$30.60	23-M9502-4 \$107.10
Blue, Lakeland	21-W3554-3 \$27.85	21-W3554-4 \$97.40	22-W3554-3 \$76.75	22-M9502-4 \$230.60	23-W3554-3 \$30.60	23-W3554-4 \$107.10
Blue, Miami	21-X5700-3 \$27.85	21-X5700-4 \$97.40	22-X5700-3 \$76.75	22-X5700-4 \$230.60	23-X5700-3 \$30.60	23-X5700-4 \$107.10
Blue, Newport Metallic	21-W8430-3 \$27.85	21-W8430-4 \$97.40	22-W8430-3 \$76.75	22-W8430-4 \$230.60	23-W8430-3 \$30.60	23-W8430-4 \$107.10
Brown, Hickory	21-Y9775-3 \$27.85	21-Y9775-4 \$97.40	22-Y9775-3 \$76.75	22-Y9775-4 \$230.60	23-Y9775-3 \$30.60	23-Y9775-4 \$107.10
Brown, Sandalwood	21-R8175-3 \$27.85	21-R8175-4 \$97.40	22-R8175-3 \$76.75	22-R8175-4 \$230.60	23-R8175-3 \$30.60	23-R8175-4 \$107.10
Cream, Diana	21-M9518-3 \$27.85	21-M9518-4 \$97.40	22-M9518-3 \$76.75	22-M9518-4 \$230.60	23-M9518-3 \$30.60	23-M9518-4 \$107.10
Cream, Tucson	21-X5260-3 \$27.85	21-X5260-4 \$97.40	22-X5260-3 \$76.75	22-X5260-4 \$230.60	23-X5260-3 \$30.60	23-X5260-4 \$107.10
Gold, Reno Metallic	21-B9916-3 \$27.85	21-B9916-4 \$97.40	22-B9916-3 \$76.75	22-B9916-4 \$230.60	23-B9916-3 \$30.60	23-B9916-4 \$107.10
Gray, AG Cat	21-F7790-3 \$27.85	21-F7790-4 \$97.40	22-F7790-3 \$76.75	22-F7790-4 \$230.60	23-F7790-3 \$30.60	23-F7790-4 \$107.10
Gray, Neutral	21-R4870-3 \$27.85	21-R4870-4 \$97.40	22-R4870-3 \$76.75	22-R4870-4 \$230.60	23-R4870-3 \$30.60	23-R4870-4 \$107.10
Gray, Platinum	21-R8174-3 \$27.85	21-R8174-4 \$97.40	22-R8174-3 \$76.75	22-R8174-4 \$230.60	23-R8174-3 \$30.60	23-R8174-4 \$107.10
Gray, Polar	21-Y6100-3 \$27.85	21-Y6100-4 \$97.40	22-Y6100-3 \$76.75	22-Y6100-4 \$230.60	23-Y6100-3 \$30.60	23-Y6100-4 \$107.10
Green, Federal	21-F2406-3 \$27.85	21-F2406-4 \$97.40	22-F2406-3 \$76.75	22-F2406-4 \$230.60	23-F2406-3 \$30.60	23-F2406-4 \$107.10
Green, Forest	21-Y6350-3 \$27.85	21-Y6350-4 \$97.40	22-Y6350-3 \$76.75	22-Y6350-4 \$230.60	23-Y6350-3 \$30.60	23-Y6350-4 \$107.10
Green, Montego	21-F5830-3 \$27.85	21-F5830-4 \$97.40	22-F5830-3 \$76.75	22-F5830-4 \$230.60	23-F5830-3 \$30.60	23-F5830-4 \$107.10
Green, Olive Drab	21-R4869-3 \$27.85	21-R4869-4 \$97.40	22-R4869-3 \$76.75	22-R4869-4 \$230.60	23-R4869-3 \$30.60	23-R4869-4 \$107.10
Green, Tampa Metallic	21-W8427-3 \$27.85	21-W8427-4 \$97.40	22-W8427-3 \$76.75	22-W8427-4 \$230.60	23-W8427-3 \$30.60	23-W8427-4 \$107.10
Ivory, Sun Valley	21-Z7245-3 \$27.85	21-Z7245-4 \$97.40	22-Z7245-3 \$76.75	22-Z7245-4 \$230.60	23-Z7245-3 \$30.60	23-Z7245-4 \$107.10
Maroon, Boston	21-X5680-3 \$27.85	21-X5680-4 \$97.40	22-X5680-3 \$76.75	22-X5680-4 \$230.60	23-X5680-3 \$30.60	23-X5680-4 \$107.10
Maroon, Stinson	21-X5749-3 \$27.85	21-X5749-4 \$97.40	22-X5749-3 \$76.75	22-X5749-4 \$230.60	23-X5749-3 \$30.60	23-X5749-4 \$107.10
Orange, Aeronca 7AC	21-E6428-3 \$27.85	21-E6428-4 \$97.40	22-E6428-3 \$76.75	22-E6428-4 \$230.60	23-E6428-3 \$30.60	23-E6428-4 \$107.10
Orange, Cessna Tiger	21-P8600-3 \$27.85	21-P8600-4 \$97.40	22-P8600-3 \$76.75	22-P8600-4 \$230.60	23-P8600-3 \$30.60	23-P8600-4 \$107.10
Orange, Cruiser	21-M9526-3 \$27.85	21-M9526-4 \$97.40	22-M9526-3 \$76.75	22-M9526-4 \$230.60	23-M9526-3 \$30.60	23-M9526-4 \$107.10
Orange, Ocala	21-C2065-3 \$27.85	21-C2065-4 \$97.40	22-C2065-3 \$76.75	22-C2065-4 \$230.60	23-C2065-3 \$30.60	23-C2065-4 \$107.10
Red, Cadillac	21-J9555-3 \$27.85	21-J9555-4 \$97.40	22-J9555-3 \$76.75	22-J9555-4 \$230.60	23-J9555-3 \$30.60	23-J9555-4 \$107.10
Red, Colorado	21-B9163-3 \$27.85	21-B9163-4 \$97.40	22-B9163-3 \$76.75	22-B9163-4 \$230.60	23-B9163-3 \$30.60	23-B9163-4 \$107.10
Red, Madrid	21-B3534-3 \$27.85	21-B3534-4 \$97.40	22-B3534-3 \$76.75	22-B3534-4 \$230.60	23-B3534-3 \$30.60	23-B3534-4 \$107.10
Red, Pontiac	21-W3665-3 \$27.85	21-W3665-4 \$97.40	22-W3665-3 \$76.75	22-W3665-4 \$230.60	23-W3665-3 \$30.60	23-W3665-4 \$107.10
Red, Santa Fe	21-H9150-3 \$27.85	21-H9150-4 \$97.40	22-H9150-3 \$76.75	22-H9150-4 \$230.60	23-H9150-3 \$30.60	23-H9150-4 \$107.10
Red, Tennessee	21-M9522-3 \$27.85	21-M9522-4 \$97.40	22-M9522-3 \$76.75	22-M9522-4 \$230.60	23-M9522-3 \$30.60	23-M9522-4 \$107.10
Red, Vermilion	21-M9530-3 \$27.85	21-M9530-4 \$97.40	22-M9530-3 \$76.75	22-M9530-4 \$230.60	23-M9530-3 \$30.60	23-M9530-4 \$107.10
Silver, Metallic	21-M9514-3 \$27.85	21-M9514-4 \$97.40	22-M9514-3 \$76.75	22-M9514-4 \$230.60	23-M9514-3 \$30.60	23-M9514-4 \$107.10
White, Daytona	21-J9545-3 \$22.25	21-J9545-4 \$80.75	22-J9545-3 \$55.60	22-J9545-4 \$169.55	23-J9545-3 \$24.50	23-J9545-4 \$88.80
White, Randolph	21-Q1916-3 \$22.25	21-Q1916-4 \$80.75	22-Q1916-3 \$55.60	22-Q1916-4 \$169.55	23-Q1916-3 \$24.50	23-Q1916-4 \$88.80
White, Juneau	21-B4243-3 \$22.25	21-B4243-4 \$80.75	22-B4243-3 \$55.60	22-B4243-4 \$169.55	23-B4243-3 \$24.50	23-B4243-4 \$88.80
White, New Insignia	21-Q1050-3 \$22.25	21-Q1050-4 \$80.75	22-Q1050-3 \$55.60	22-Q1050-4 \$169.55	23-Q1050-3 \$24.50	23-Q1050-4 \$88.80
White, Tropic	21-W9170-3 \$22.25	21-W9170-4 \$80.75	22-W9170-3 \$55.60	22-W9170-4 \$169.55	23-W9170-3 \$24.50	23-W9170-4 \$88.80
White, Vestal	21-K7641-3 \$22.25	21-K7641-4 \$80.75	22-K7641-3 \$55.60	22-K7641-4 \$169.55	23-K7641-3 \$24.50	23-K7641-4 \$88.80
Yellow, Aeronca 7AC	21-E6427-3 \$27.85	21-E6427-4 \$97.40	22-E6427-3 \$76.75	22-E6427-4 \$230.60	23-E6427-3 \$30.60	23-E6427-4 \$107.10
Yellow, AG Cat	21-D9270-3 \$27.85	21-D9270-4 \$97.40	22-D9270-3 \$76.75	22-D9270-4 \$230.60	23-D9270-3 \$30.60	23-D9270-4 \$107.10
Yellow, AN Orange	21-M9501-3 \$27.85	21-M9501-4 \$97.40	22-M9501-3 \$76.75	22-M9501-4 \$230.60	23-M9501-3 \$30.60	23-M9501-4 \$107.10
Yellow, Dallas	21-Y5783-3 \$27.85	21-Y5783-4 \$97.40	22-Y5783-3 \$76.75	22-Y5783-4 \$230.60	23-Y5783-3 \$30.60	23-Y5783-4 \$107.10
Yellow, Federal	21-N3353-3 \$27.85	21-N3353-4 \$97.40	22-N3353-3 \$76.75	22-N3353-4 \$230.60	23-N3353-3 \$30.60	23-N3353-4 \$107.10
Yellow, Lemon	21-M9512-3 \$27.85	21-M9512-4 \$97.40	22-M9512-3 \$76.75	22-M9512-4 \$230.60	23-M9512-3 \$30.60	23-M9512-4 \$107.10
Yellow, Lochhaven	21-M9521-3 \$27.85	21-M9521-4 \$97.40	22-M9521-3 \$76.75	22-M9521-4 \$230.60	23-M9521-3 \$30.60	23-M9521-4 \$107.10
Yellow, Cub J-3	21-F6285-3 \$27.85	21-F6285-4 \$97.40	22-F6285-3 \$76.75	22-F6285-4 \$230.60	23-F6285-3 \$30.60	23-F6285-4 \$107.10

\*Ranthane catalyst AU-CAT-2X1 sold separately

**Clyde Smith Formulas – Cub Yellow Variants**

Description	Butyrate Colors		Ranthane High Solids		Enamel Colors	
	1 quart	1 gallon	1 quart	1 gallon	1 quart	1 gallon
Pre-War Piper Yellow	21-147-3 <b>\$27.85</b>	21-147-4 <b>\$97.40</b>	22-147-3 <b>\$76.75</b>	22-147-4 <b>\$230.60</b>	23-147-3 <b>\$30.60</b>	23-147-4 <b>\$107.10</b>
Post-War Piper Yellow	21-148-3 <b>\$27.85</b>	21-148-4 <b>\$97.40</b>	22-148-3 <b>\$76.75</b>	22-148-4 <b>\$230.60</b>	23-148-3 <b>\$30.60</b>	23-148-4 <b>\$107.10</b>

**Randolph Solvents**

**Randolph Acetone**

1 quart.....	25-ACE-3 .....	<b>\$11.00</b>
1 gallon.....	25-ACE-4 .....	<b>\$30.00</b>
5 gallon.....	25-ACE-5 .....	<b>\$145.00</b>
55 gallon.....	25-ACE-55 .....	<b>\$1,400.00</b>

**Randolph Toluol**

Use as a paint thinner, cleaner, and degreaser.

1 quart.....	25-TOL-3 .....	<b>\$11.00</b>
1 gallon.....	25-TOL-4 .....	<b>\$30.00</b>
5 gallon.....	25-TOL-5 .....	<b>\$145.00</b>
55 gallon.....	25-TOL-55 .....	<b>\$1,400.00</b>

**Randolph Isopropyl Alcohol**

1 quart.....	25-IPA-3 .....	<b>\$12.00</b>
1 gallon.....	25-IPA-4 .....	<b>\$44.00</b>
5 gallon.....	25-IPA-5 .....	<b>\$210.00</b>

**Randolph Methyl Ethyl Ketone**

M.E.K is an extremely active solvent similar to acetone, but with 30% slower evaporating rate. Use as a thinner, cleaner and remover for resins, epoxies, glues, vinyls and lacquers.

1 quart.....	25-MEK-3 .....	<b>\$14.30</b>
1 gallon.....	25-MEK-4 .....	<b>\$41.25</b>
5 gallon.....	25-MEK-5 .....	<b>\$161.00</b>



**Generic Solvents and Thinners**

**Mineral Spirits**

1 quart.....	PR10031 .....	<b>\$2.78</b>
1 gallon.....	PR10032 .....	<b>\$8.42</b>
5 gallon.....	PR10033 .....	<b>\$37.54</b>
55 gallon.....	PR10034 .....	<b>\$541.85</b>

**Acetone**

1 quart.....	PR10035.....	<b>\$6.69</b>
1 gallon.....	PR10036.....	<b>\$17.86</b>
5 gallon.....	PR10037.....	<b>\$89.28</b>
55 gallon.....	PR10038.....	<b>\$982.10</b>



**Generic Thinners**

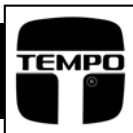
Ideal for cleaning spray guns and other painting equipment. Not recommended for use with Randolph or Ceconite processes.

**Nitrate Thinner**

1 quart.....	06021A .....	<b>\$3.06</b>
1 gallon.....	06022A .....	<b>\$11.78</b>
5 gallon.....	06023A .....	<b>\$58.91</b>
55 gallon.....	06024A .....	<b>\$624.38</b>

**Butyrate Thinner**

1 quart.....	05021A .....	<b>\$5.10</b>
1 gallon.....	05022A .....	<b>\$15.32</b>
5 gallon.....	05023A .....	<b>\$76.59</b>
55 gallon.....	05024A .....	<b>\$673.98</b>



**Tempo Paints and Primers**

Red Oxide Sanding Primer .....	T-234 Red .....	7-3000 .....	<b>\$8.54</b>
Yellow Zinc Phosphate Primer.....	A-701 Yellow .....	A701 .....	<b>\$13.20</b>
Green Zinc Phosphate Primer.....	A-702 Green .....	A702 .....	<b>\$13.64</b>
Flat Black Lacquer .....	A-810 Black .....	A810 .....	<b>\$9.28</b>
Black Wrinkle Enamel .....	217 Black .....	10-101 .....	<b>\$9.95</b>
Red Aircraft Enamel .....	A-1120 Red .....	A1120 .....	<b>\$9.28</b>
Tempo Engine Enamel .....	Continental Gold .....	A239 .....	<b>\$10.55</b>
Silicone Spray.....	20-117 .....	.....	<b>\$5.26</b>



## Ceconite Products

### Ceconite Tautening Fabric



Ceconite fabrics have many excellent qualities, and one of them is uniform predictable shrinkability.

- At 250° it shrinks about half as much as it is capable of shrinking, or about 5%.
- At 350° it shrinks all the way, as far as it is capable of shrinking, or about 10%.
- Above 370° it begins to permanently loosen.
- At about 425° it begins to melt.

#### CECONITE 101 HEAVY DUTY FABRIC

This extra heavy-duty fabric is recommended for the most severe operating conditions and for very high-wing loaded aircraft. Its large filament size and high strength provide excellent resistance to rock penetration and tearing, characteristics required for trouble-free bush and agricultural operations.

#### Recommended Aircraft:

Aerobatic and bush planes, ag aircraft, and warbirds.

#### Specifications:

Thread Count: 144 x 57/inch  
 Weight: 3.4 oz/sq yd  
 Breaking Strength: Average 113.5 lbs/inch  
 Bursting Strength: 279 psi  
 Tear Strength: Warp 108 lbs, Fill 119 lbs  
 70" 101 Ceconite, per yard ..... 101-70 ..... **\$13.30**  
 70" 101 Ceconite, full roll ..... 101-70FRL ..... **\$665.00**

#### CECONITE 102 STANDARD FABRIC

Considered our standard fabric, it is recommended for normal service and is widely used on all types of aircraft, regardless of wing loading or horsepower.

#### Recommended Aircraft:

All classics, antiques, and contemporary designs that anticipate normal on-airport operations.

#### Specifications:

Thread Count: 73 x 65/inch  
 Weight: 2.79 oz/sq yd  
 Breaking Strength: Average 105 lbs/inch  
 Tear Strength: Warp 98 lbs, Fill 113 lbs

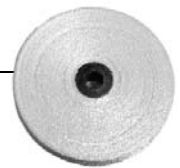
70" 102 Ceconite, per yard ..... 102-70 ..... **\$11.95**  
 70" 102 Ceconite, full roll ..... 102-70FRL ..... **\$597.50**

### Ceconite Surface Tapes



Tape	Width	Length	Part #	Price/Roll
Straight Edge	1"	50 yard roll	100-PF-50	<b>\$21.35</b>
	1½"	50 yard roll	150	<b>\$28.65</b>
	2"	50 yard roll	200	<b>\$34.75</b>
	3"	50 yard roll	300	<b>\$51.90</b>
	4"	50 yard roll	400	<b>\$60.85</b>
	6"	50 yard roll	600	<b>\$72.60</b>
Pinked Edge	1"	25 yard roll	103	<b>\$16.05</b>
	1½"	25 yard roll	152	<b>\$17.65</b>
	2"	50 yard roll	202	<b>\$30.20</b>
	3"	25 yard roll	302-PF-25	<b>\$27.80</b>
	4"	25 yard roll	402-PF-25	<b>\$32.40</b>
	6"	25 yard roll	602-PF-25	<b>\$45.00</b>
Biased/Pinked	2"	25 yard roll	204	<b>\$32.45</b>
	3"	25 yard roll	304-PF-25	<b>\$46.15</b>
	4"	25 yard roll	404	<b>\$57.35</b>

### Finishing Tapes



- Sold by the roll

#### Polyester Reinforcing Tape

¾" wide, 60 yards ..... 3/8RT-PF ..... **\$56.60**  
 ½" wide, 60 yards ..... 1/2RT-PF ..... **\$57.95**

#### Anti-Chafing Tape

1" wide, 60 yards ..... 1.0ACT ..... **\$16.70**

#### Inter-Rib Bracing Tape

½" wide, 36 yards ..... 1/2RB ..... **\$16.70**

### Ceconite Threads and Cords

- Sold by the spool



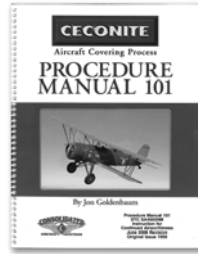
Machine Sewing Thread, 500 yards.... D-69 ..... **\$15.25**  
 Hand Sewing Thread, 250 yards..... D-207 ..... **\$11.75**  
 Rib Lace Cord, 600 yards ..... D-693 ..... **\$45.25**



### Ceconite Procedure Manual

Manual by Jon Goldenbaum contains covering and technical information for Ceconite and Randolph products. MSDS sheets are available upon request at time of order.

Ceconite Manual 101 .....101-MANUAL ..... **\$10.00**



**!** Neither Ceconite nor Randolph guarantees compatibility or performance of any other products. All dopes and coatings differ in chemistry and application. The procedures in the STC manual are based only on the proven combination of Randolph and Ceconite. If you use products not manufactured by Ceconite and Randolph, or mix with other brands, YOU WILL VOID THE STC!

### New Super Seam Cement

This is an improvement of original Ceconite Super Seam Cement. The new formulation is a clear, vinyl-based cement that is compatible with all Randolph dopes, and has twice the peel strength of original Super Seam. Used out of the can with no thinning, it dries in 15 to 30 minutes in most conditions. If it thickens through solvent evaporation, it can be brought back to original viscosity by the addition of MEK. Shelf life of two years if left unopened. Do not use if discolored to a whiskey or brown hue. Do not mix with nitrate dopes to apply tapes. The "New" on the label differentiates New Super Seam from the original.

1 quart ..... 900 ..... **\$27.25**  
 1 gallon ..... 901 ..... **\$99.80**

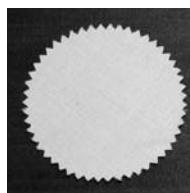
## Miscellaneous Covering Supplies

Description	Part #	Price
Fabric Iron .....	BR6201 .....	<b>\$27.99</b>
Fabric Iron Thermometer.....	BR6200 .....	<b>\$8.34</b>
Rib Stitching Needles		
10 inch.....	BRN10 .....	<b>\$5.00</b>
12 inch.....	BRN12 .....	<b>\$6.16</b>
14 inch.....	BRN14 .....	<b>\$5.90</b>
16 inch.....	BRN16 .....	<b>\$8.78</b>
18 inch.....	BRN18 .....	<b>\$12.40</b>
Curved Needles		
3 inch.....	11-CN3 .....	<b>\$4.25</b>
6 inch.....	11-CN6 .....	<b>\$5.65</b>
12 inch.....	11-RNC12 .....	<b>\$21.40</b>
Cotton Woven Reinforcing Tape, ½" wide, 36 yards.....	RV3002-36 .....	<b>\$31.73</b>
Flat Rib Lace Cord, 500 yards.....	SF-694-500 .....	<b>\$43.20</b>

### Fabric Patches

- Pinked grade A dollar patches
- 2 inch diameter
- Package of 100

Fabric Patches .....5001 ..... **\$22.65**



### Rib Stitch Cord

- #9 Waxed Linen Cord
- 100 yard roll

Rib Stitch Cord Roll.....RV4001 ..... **\$44.85**



### Chafe Strip

- Priced and sold by the yard
- Full roll is 60 yards

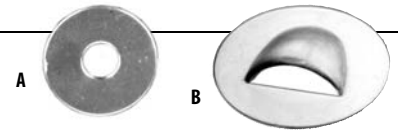
Used to mask and smooth sharp corners and metal edges under fabric.

Woven Cotton, ¾" wide .....CHAPE .....**\$0.70/yd**



### Drain Grommets

- Made of clear plastic



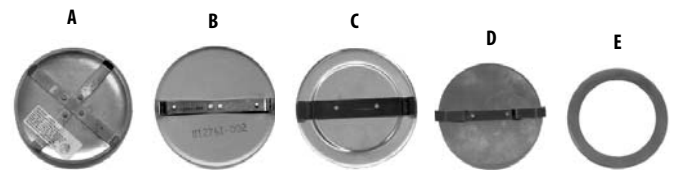
A) Drain Grommet (supersedes 11-43-F)

    ¾" diameter, package of 100 .....AN231-2 ..... **\$22.00**

B) Seaplane Drain Grommet

    1 ¼" diameter, sold individually .....AN231-4 ..... **\$0.28**

### Inspection Plates



**A) Citabria "Two Strap" Inspection Plate:** "Domed" inspection plate measuring 4 7/8" in diameter, with two spring steel straps; commonly called the "four pronger" inspection plate. FAA/PMA approved for the Citabria series, it is also desired by other owners of aerobatic aircraft. It is ideal for replacing standard inspection plates that have a tendency to come off to easily in the prop wash area under the wing.

**B) Piper Inspection Plate:** A 4 3/4" diameter plate similar to the standard "domed" inspection plate with a single strap, but this plate also has the rivets on the outside edge to help hold it in place. FAA/PMA approved for fabric covered Piper aircraft.

**C) Flat/Recessed Inspection Plate:** Flat aluminum plate with a 4 7/8" diameter, with a recessed area that fits inside the inspection hole. It has a single spring steel strap.

A) Citabria Plate ..... U3-639 ..... **\$35.50**

B) Piper Plate ..... U12761-002 ..... **\$37.27**

C) Flat/Recessed Plate ..... SPEC-PLATE ..... **\$7.00**

D) Generic Inspection Plate, 4 3/4" diameter .....483-10 ..... **\$2.25**

E) Inspection Ring, OD 4 1/2", ID 3 1/2" .....483-15 ..... **\$0.72**

Inspection Patch, (not shown), OD 6" .....INSP-PATCH ..... **\$0.79**

# Poly-Fiber Products

## Poly-Fiber Instructional Items

### How to Cover an Aircraft

A must-have manual that includes explanations of Poly-Fiber products and their proper usage. Easy to understand and explains the Poly-Fiber process.



How to Cover an Aircraft – Manual  
11-PFMANUAL ..... **\$10.00**



### Poly-Fiber Covering Video

EAA SportAir two-hour video, demonstrating the entire process, from surface preparation through color coat application.

VHS .....11-VIDEO.....**\$39.95**  
DVD .....11-PFDVD.....**\$39.95**

### Poly-Fiber Practice Kit

If you're thinking of building a fabric-covered airplane but are wondering what the covering process is like, this is the perfect answer. You get a practice frame, fabric, tapes, needles, rib lacing cord, thermometer, instructions, and all the coatings you need to work through the Poly-Spray stage. There's enough of everything to do the entire process twice. You'll see how easy and enjoyable fabric covering really is.



Practice Kit .....11-INTROKIT ..... **\$55.00**

### Miscellaneous Instructional Items



Poly-Fiber  
Intro Brochure



Poly-Fiber  
One-Page Mailer



Color Card # 50

Poly-Fiber Intro Brochure (each) .....11-PFBROCHURE ..... **\$2.23**  
Poly-Fiber One-Page Mailer (each) .....11-PFMAILER ..... **\$0.45**  
Color Card # 50 (each) .....11-CCARD ..... **FREE**

## Poly-Fiber Fabrics

**Heavy Duty:** Recommended for the most severe operating conditions and very high wing loading aircraft.

Weight: 3.4 oz/sq yd • Thread Count: 144 x 57/in

Price per yard ..... 1-HEAVY ..... **\$13.30**

**Medium:** Recommended for normal service and widely used on all types of aircraft, regardless of wing loading or horsepower.

Weight: 2.79 oz/sq yd • Thread Count: 73 x 65/in

Price per yard ..... 1-MEDIUM ..... **\$11.95**

**Uncertified Light:** Recommended for covering plywood surfaces on any aircraft and any ultralight aircraft that is not certified.

Weight: 1.87 oz/sq yd • Thread Count: 90 x 76/in

Price per yard ..... 1-LIGHTU ..... **\$8.40**

## Poly-Fiber Tapes

### Polyester Finishing Tapes

**Linear Pinked Tapes** are available in light and medium weights. All styles of linear and bias finishing tape may be used interchangeably.



**Bias Pinked Tapes** (weave pattern 45° to the edge) are suggested for installation over compound surfaces such as around wingtips and tail surfaces. Bias tape will stretch to conform to the required contour without heat shrinking edges or cutting and notching to remove excess fabric.

#### Linear Pinked Tapes, Medium Weight (2.7 oz)

1" width, 25 yard roll ..... 1-MEDIUM1 ..... **\$16.05**  
2" width, 50 yard roll ..... 1-MEDIUM2 ..... **\$30.20**  
3" width, 25 yard roll ..... 1-MEDIUM3 ..... **\$27.80**  
4" width, 25 yard roll ..... 1-MEDIUM4 ..... **\$32.40**  
6" width, 25 yard roll ..... 1-MEDIUM6 ..... **\$45.00**

#### Linear Pinked Tapes, Light Weight (1.7 oz)

2" width, 25 yard roll ..... 1-LIGHT2X25 ..... **\$23.20**  
2" width, 50 yard roll ..... 1-LIGHT2 ..... **\$30.20**  
3" width, 25 yard roll ..... 1-LIGHT3 ..... **\$27.80**  
4" width, 25 yard roll ..... 1-LIGHT4 ..... **\$32.40**  
6" width, 25 yard roll ..... 1-LIGHT6 ..... **\$45.00**

#### Bias Pinked Tapes, 45° Cut (2.4 oz)

2" width, 25 yard roll ..... 1-BIAS2 ..... **\$32.45**  
3" width, 25 yard roll ..... 1-BIAS3 ..... **\$46.15**  
4" width, 25 yard roll ..... 1-BIAS4 ..... **\$57.35**

### Polyester Rib Lace Reinforcing Tape

A custom woven high-strength polyester filament twill tape with a paper-protected high-tack adhesive coating on one side for quick application and bonding.

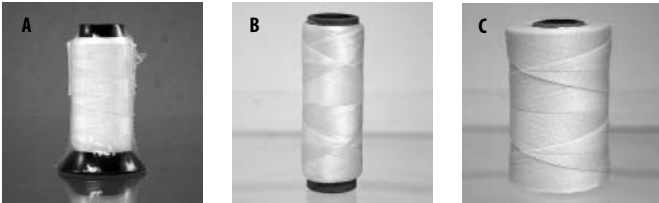
- ¼" wide, 60 yard roll ..... 1-RT4 ..... **\$55.00**
- ⅜" wide, 60 yard roll ..... 1-RT3 ..... **\$56.60**
- ½" wide, 60 yard roll ..... 1-RT2 ..... **\$57.95**

### Inter-Rib Bracing Tape

• Used to brace ribs before covering

- ½" wide, 36 yard roll ..... 1-IRT2 ..... **\$16.70**
- 1" wide, anti-chafe, 60 yard roll ..... 11-MTC ..... **\$16.70**

### Poly-Fiber Threads and Cords



- A) Polyester Machine Sewing Thread:** 10 lbs. tensile strength, 4 ply thread, 500 yards.
  - B) Polyester Hand Sewing Thread:** 15 lbs. tensile strength, 3 ply uncoated thread, 250 yards.
  - C) Polyester Rib Lacing Cord:** Two styles of lacing cord are available, both impregnated with micro-crystalline fungicidal wax.
    - C-1. Standard round 4 ply, .035" dia., 60 lbs. tensile strength. 400 yards.
    - C-2. Flat braided cord, .012" thick by .080" width (approximate), 50 lbs. tensile strength. Recommended when the minimum rib cord protrusion is desired. 500 yards.
- A) Machine Thread, 500 yard spool ..... 1-TM ..... **\$15.25**
  - B) Hand Sewing Thread, 250 yard spool ..... 1-TH ..... **\$11.75**
  - C-1) Standard Rib Lacing Cord, 400 yard spool ..... 1-TS ..... **\$45.25**
  - C-2) Flat Rib Lacing Cord, 500 yard spool ..... 1-TF ..... **\$45.25**

### Poly-Fiber Cements and Sub-Coatings

#### Poly-Spray

A high-solids, one part aluminum pigmented, air-drying coating used to protect the fabric from ultraviolet damage and as a sanding base to develop a smooth finish. Reduce 4 to 1 with Poly-Fiber Reducer. Refer to the Poly-Fiber manual for detailed application instructions.

- 1 quart ..... 2-PS-3 ..... **\$25.20**
- 1 gallon ..... 2-PS-4 ..... **\$83.60**
- 5 gallons ..... 2-PS-5 ..... **\$413.10**

### Poly-Tak Fabric Cement

A high-strength, fast-drying, one part cement manufactured from a proprietary formula especially to attach polyester fabric to airframes. It is FAA approved with the Poly-Fiber STC for use in a 2" overlap cement seam on the wing leading edge and a 1" overlap cement seam on the balance of the aircraft, regardless of the wing loading or maximum speed (Vne). No other aircraft fabric cement has this approval. Poly-Tak is also an excellent cement for cotton, linen, and glass fiber, and will adhere to most surfaces for shear load bonding. Add methyl ethyl ketone (MEK) when necessary to reduce viscosity due to solvent evaporation from an open container.



- 1 quart ..... 2-PT-3 ..... **\$27.25**
- 1 gallon ..... 2-PT-4 ..... **\$99.80**

### Poly-Brush

Poly-Brush is a high-solids, one part, air drying adhesive coating formulated for the first and second coats to penetrate and seal the fabric weave and attach all polyester finishing tapes and reinforcing patches. It provides twice the peel resistance as nitrate dope on polyester fabric. Thin 1 part R-65-75 reducer to 3 parts Poly-Brush.



#### Tinted (With Red Oxide)

- 1 quart ..... 2-PB-3 ..... **\$25.55**
- 1 gallon ..... 2-PB-4 ..... **\$85.00**
- 5 gallons ..... 2-PB-5 ..... **\$420.00**

#### Clear

- 1 quart ..... 2-PBU-3 ..... **\$25.55**
- 1 gallon ..... 2-PBU-4 ..... **\$85.00**

### Reducer, Retarder, Rejuvenator

#### RJ-1200 Rejuvenator

A proprietary formula containing the correct proportions of the same plasticizers used in the Poly-Fiber coatings with penetrating solvents to carry the plasticizers into the old coating and restore the original flexibility.



- 1 quart ..... 2-RJ-3 ..... **\$24.50**
- 1 gallon ..... 2-RJ-4 ..... **\$80.50**

#### BR-8600 Blush Retarder

A rich, slow-drying solvent blend to be used in Poly-Tone, Poly-Brush, and Poly-Spray, according to directions on the labels. Prevents blushing and improves flowing and gloss under conditions of high humidity and/or high temperature. We recommend 1 to a max of 4 liquid ounces per gallon.



- 1 quart ..... 2-86-3 ..... **\$14.00**

**R-65-75 Reducer**

A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone. Reducer R-65-75 is the standard reducer recommended for viscosity control in normal temperatures 65° and 75° F.

1 quart.....	2-65-3.....	<b>\$15.20</b>
1 gallon.....	2-65-4.....	<b>\$47.80</b>
5 gallons.....	2-65-5.....	<b>\$200.60</b>

**RR-8500 Reducer Retarder**

A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone. RR-8500 is recommended for use in temperatures above 85°F to produce the proper coating flow-out and when needed, to avoid blush in warm, humid weather.

1 quart.....	2-85-3.....	<b>\$15.40</b>
1 gallon.....	2-85-4.....	<b>\$48.25</b>



**Poly-Tone Finish**

A durable one part, air drying, flexible coating available in over 50 popular aircraft colors. Poly-Tone is manufactured from the same generic class of petrochemical feed stock as Poly-Tak, Poly-Brush, and Poly-Spray, and is considered to be our "standard" pigmented finish for the Poly-Fiber covering process. The thermo-expansion and elasticity are the same as all sub-coats, and there is no inter-coat adhesion problem if the surface is clean. Poly-Tone is non shrinking, non bleeding, fire retardant, chemical resistant, and is used on both metal and fabric. It air dries to a satin gloss finish and can be polished to a high luster equal in appearance to any cellulose dope, lacquer, or synthetic enamel finish.

See chart on page 260 for available colors and sizes.

**Aero-Thane**

A tough, flexible, solvent, chemical, abrasion, and weather resistant high gloss, two part polyurethane recommended as the best quality fabric finish over Poly-Fiber covering materials, and all primed metal and glass fiber composite components on fabric-covered aircraft. Also recommended to refinish suitably rejuvenated nitrate and butyrate dope-coated aircraft fabric surfaces, all old sound finishes on metal and glass fiber aircraft components, old finishes on glass fiber or metal boat hulls, automotive, truck, and industrial equipment.

**NOTE:** Cans are ¾ full for the addition of U-865 catalyst (sold separately).

See chart on page 260 for available colors and sizes.

**U-865 Urethane Catalyst**

An aliphatic polyisocyanate in a solvent blend for use in Aero-Thane and urethane varnish. Refer to directions on the base component listing.

½ pint.....	6-865-1.....	<b>\$22.95</b>
1 quart.....	6-865-3.....	<b>\$61.70</b>



**AO-100 Clear Aero-Thane**

A tough, flexible, two part clear polyurethane recommended to retain the original brilliance of polished aluminum. Not recommended when the aircraft will be exposed to severe environmental pollution. Mix 1 part U-865 catalyst to 3 parts Aero-Thane.

1 quart.....	4-100-3.....	<b>\$44.50</b>
1 gallon.....	4-100-4.....	<b>\$151.00</b>
1 quart kit, includes ½ pint catalyst*.....	4-100-3KIT.....	<b>\$67.45</b>
1 gallon kit, includes 1 quart catalyst*.....	4-100-4KIT.....	<b>\$212.70</b>

\*Base components in kits are ¾-filled to accommodate the addition of catalyst.

**UE-820 Urethane Reducer**

A solvent blend for use in Aero-Thane. Mix 4 parts catalyzed Aero-Thane to 1 part UE-820 reducer; allow 20 minutes induction time before application.

1 quart.....	6-820-3.....	<b>\$19.60</b>
1 gallon.....	6-820-4.....	<b>\$63.35</b>



**UR-826 Urethane Retarder**

A blend of slow-drying solvents for use in Aero-Thane and urethane varnish to retard the surface drying time. Add 1 to 6 fluid ounces per gallon of catalyzed enamel when necessary.

1 quart.....	6-826-3.....	<b>\$24.00</b>
1 gallon.....	6-826-4.....	<b>\$82.00</b>

**Poly-Fiber Enamel**

A one-part, air-drying alkyd enamel coating available in 50 colors to match Poly-Tone and Aero-Thane. It air dries to a high gloss similar to our Aero-Thane polyurethane, but is not as chemically resistant as Aero-Thane. Intended as a top-coat paint over metal or composite surfaces that have been primed with EP-420 Epoxy Primer.

Do not use Poly-Fiber Enamel over fabric or on structures that will be covered with fabric cemented with Poly-Tak adhesive. Poly-Tak will lift enamel.

See chart on page 260 for available colors and sizes.

**Enamel Reducer**

A blend of solvents used for viscosity and drying control of Poly-Fiber enamel. Use according to directions on enamel.

1 quart.....	15-ER-3.....	<b>\$12.00</b>
1 gallon.....	15-ER-4.....	<b>\$46.00</b>



**Enamel Hardener/Gloss Additive**

1 pint.....	15-EH-2.....	<b>\$15.05</b>
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## Poly-Fiber Additives

### Flattener

Used to reduce the gloss of Aero-Thane and Poly-Tone enamel paints. In Poly-Tone, used only to flatten to full military flat. In Aero-Thane enamel, used to either decrease the gloss to match Poly-Tone, or to go all the way to full military flat.



Flattener is in liquid form. Mix and shake thoroughly before use. Refer to the Poly-Fiber manual for mixing ratios.

1 pint .....	3-PTFT-2 .....	<b>\$22.55</b>
1 quart .....	3-PTFT-3 .....	<b>\$43.15</b>

### Ultra Violet Blocker

Used as an additive to Poly-Tone paint to partially block UV radiation. Does not replace Poly-Spray as a full UV blocker. Do not use with Aero-Thane. Should only be used in the most weight restrictive ultralight applications. **IT IS NOT A SUBSTITUTE FOR SILVER POLY-SPRAY, and is much less effective.**

½ pint .....	3-PTUV-1 .....	<b>\$23.75</b>
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## Varnishes, Primers, & Catalysts

### EV-400 Epoxy Varnish

A polyamide-cured epoxy wood varnish providing good chemical and solvent resistance. Weather durability will be equal or superior to any one component varnish. May be used over any one-component varnish, primer, or finish to provide solvent and chemical resistance. Mix 1 part EV-410 catalyst to 2 parts EV-400 varnish.

1 quart .....	8-400-3 .....	<b>\$43.25</b>
1 gallon .....	8-400-4 .....	<b>\$146.70</b>
2.5 quart kit* .....	8-400-3KIT .....	<b>\$76.50</b>
2.5 gallon kit* .....	8-400-4KIT .....	<b>\$266.60</b>

*\*Kits include varnish and EV-410 catalyst*

### EV-410 Epoxy Varnish Catalyst

A polyamide resin in a blend of solvents and diluents. Mix 1 part EV-410 catalyst to 2 parts EV-400 varnish.

1 pint .....	8-410-2 .....	<b>\$18.25</b>
1 quart .....	8-410-3 .....	<b>\$30.55</b>



### EP-430 Epoxy Primer Catalyst

An amine resin in a solvent blend for use in EP-420 Epoxy Primer according to directions on the base component listing.

1 pint .....	8-430-2 .....	<b>\$20.65</b>
1 quart .....	8-430-3 .....	<b>\$35.00</b>

### EP-420 Epoxy Metal Primer

A superior quality, amine-cured, corrosion-inhibiting, fast drying primer providing excellent chemical and solvent resistance. Bonds to all metal surfaces better than any other type field-applied coating. Application and curing in temperatures down to 35°F.



**Mixing Procedure:** Add exactly 1 part EP-430 catalyst to 2 parts EP-420 base component.

#### Green EP-420 Epoxy Metal Primer

1 quart, paint only .....	8-420G-3 .....	<b>\$48.35</b>
1 gallon, paint only .....	8-420G-4 .....	<b>\$165.40</b>
2.5 quart kit* .....	8-420G-3KIT .....	<b>\$84.00</b>
2.5 gallon kit* .....	8-420G-4KIT .....	<b>\$294.20</b>

#### White EP-420 Epoxy Metal Primer

1 quart, paint only .....	8-420W-3 .....	<b>\$48.35</b>
1 gallon, paint only .....	8-420W-4 .....	<b>\$165.40</b>
2.5 quart kit* .....	8-420W-3KIT .....	<b>\$84.00</b>
2.5 gallon kit* .....	8-420W-4KIT .....	<b>\$294.20</b>

*\*Kits include primer and EP-430 catalyst*

### E-500 Epoxy Reducer

A blend of solvents for use in EP-420 Epoxy Primer and EV-400 Epoxy Varnish. Mix according to directions on base component listing.

1 quart .....	8-500-3 .....	<b>\$15.00</b>
1 gallon .....	8-500-4 .....	<b>\$58.80</b>

### EX-501 Epoxy Accelerator

A chemical curing accelerator for use in EP-420 Epoxy Primer and EV-400 Epoxy Varnish. Mix according to directions on base component listing. Reduces polymerization time, not solvent evaporation.

½ pint .....	8-501-1 .....	<b>\$12.00</b>
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### UV-550 Urethane Varnish

Clear, high-gloss, exterior and interior. The most durable varnish available.

A tough, light-fast, non-chalking, weather-, chemical-, and solvent-resistant two-part urethane varnish formulated especially for aircraft and marine wood surfaces which will be exposed to severe environmental conditions. Mix 1 part U-865 catalyst to 2 parts UV-550 varnish.



1 quart (paint only) .....	4-550-3 .....	<b>\$56.65</b>
1 gallon (paint only) .....	4-550-4 .....	<b>\$192.95</b>
1 quart kit .....	4-550-3KIT .....	<b>\$102.55</b>
1 gallon kit .....	4-550-4KIT .....	<b>\$316.35</b>

**Order online at [www.univair.com](http://www.univair.com)  
or call toll free 1-888-433-5433**

# PAINT • DOPE • COVERING SUPPLIES

Color	Poly-Tone Finish				Poly-Fiber Enamel				Aero-Thane*			
	1 quart		1 gallon		1 quart		1 gallon		1 quart		1 gallon	
Black, Dakota	3-215-3	\$30.60	3-215-4	\$107.10	15-215-3	\$30.60	15-215-4	\$107.10	4-215-3	\$45.95	4-215-4	\$151.55
Blue, AN (True)	3-173-3	\$30.60	3-173-4	\$107.10	15-173-3	\$30.60	15-173-4	\$107.10	4-173-3	\$45.95	4-173-4	\$151.55
Blue, Bahama	3-170-3	\$30.60	3-170-4	\$107.10	15-170-3	\$30.60	15-170-4	\$107.10	4-170-3	\$45.95	4-170-4	\$151.55
Blue, Christen Eagle	3-177-3	\$30.60	3-177-4	\$107.10	15-177-3	\$30.60	15-177-4	\$107.10	4-177-3	\$45.95	4-177-4	\$151.55
Blue, Insignia	3-176-3	\$30.60	3-176-4	\$107.10	15-176-3	\$30.60	15-176-4	\$107.10	4-176-3	\$45.95	4-176-4	\$151.55
Blue, Lakeland	3-165-3	\$30.60	3-165-4	\$107.10	15-165-3	\$30.60	15-165-4	\$107.10	4-165-3	\$45.95	4-165-4	\$151.55
Blue, Piper Trainer	3-318M-3	\$30.60	3-318M-4	\$107.10	15-318M-3	\$30.60	15-318M-4	\$107.10	4-318M-3	\$45.95	4-318M-4	\$151.55
Brown, Elsinore	3-203-3	\$30.60	3-203-4	\$107.10	15-203-3	\$30.60	15-203-4	\$107.10	4-203-3	\$45.95	4-203-4	\$151.55
Cream, Diana	3-131-3	\$30.60	3-131-4	\$107.10	15-131-3	\$30.60	15-131-4	\$107.10	4-131-3	\$45.95	4-131-4	\$151.55
Cream, Tucson	3-125-3	\$30.60	3-125-4	\$107.10	15-125-3	\$30.60	15-125-4	\$107.10	4-125-3	\$45.95	4-125-4	\$151.55
Gold, Reno	3-301M-3	\$30.60	3-301M-4	\$107.10	15-301M-3	\$30.60	15-301M-4	\$107.10	4-301M-3	\$45.95	4-301M-4	\$151.55
Green, Cuby Sport Trainer	3-157-3	\$30.60	3-157-4	\$107.10	15-157-3	\$30.60	15-157-4	\$107.10	4-157-3	\$45.95	4-157-4	\$151.55
Green, Everglades	3-151-3	\$30.60	3-151-4	\$107.10	15-151-3	\$30.60	15-151-4	\$107.10	4-151-3	\$45.95	4-151-4	\$151.55
Green, Federal	3-208A-3	\$30.60	3-208A-4	\$107.10	15-208A-3	\$30.60	15-208A-4	\$107.10	4-208A-3	\$45.95	4-208A-4	\$151.55
Green, Forest	3-160-3	\$30.60	3-160-4	\$107.10	15-160-3	\$30.60	15-160-4	\$107.10	4-160-3	\$45.95	4-160-4	\$151.55
Green, Oak	3-212-3	\$30.60	3-212-4	\$107.10	15-212-3	\$30.60	15-212-4	\$107.10	4-212-3	\$45.95	4-212-4	\$151.55
Green, Portland	3-156-3	\$30.60	3-156-4	\$107.10	15-156-3	\$30.60	15-156-4	\$107.10	4-156-3	\$45.95	4-156-4	\$151.55
Grey, AG Cat	3-213-3	\$30.60	3-213-4	\$107.10	15-213-3	\$30.60	15-213-4	\$107.10	4-213-3	\$45.95	4-213-4	\$151.55
Grey, Federal	3-213A-3	\$30.60	3-213A-4	\$107.10	15-213A-3	\$30.60	15-213A-4	\$107.10	4-213A-3	\$45.95	4-213A-4	\$151.55
Grey, Jasper	3-219-3	\$30.60	3-219-4	\$107.10	15-219-3	\$30.60	15-219-4	\$107.10	4-219-3	\$45.95	4-219-4	\$151.55
Grey, Polar	3-210-3	\$30.60	3-210-4	\$107.10	15-210-3	\$30.60	15-210-4	\$107.10	4-210-3	\$45.95	4-210-4	\$151.55
Ivory, Sun Valley	3-132-3	\$30.60	3-132-4	\$107.10	15-132-3	\$30.60	15-132-4	\$107.10	4-132-3	\$45.95	4-132-4	\$151.55
Maroon, Boston	3-196-3	\$30.60	3-196-4	\$107.10	15-196-3	\$30.60	15-196-4	\$107.10	4-196-3	\$45.95	4-196-4	\$151.55
Maroon, Stinson	3-197-3	\$30.60	3-197-4	\$107.10	15-197-3	\$30.60	15-197-4	\$107.10	4-197-3	\$45.95	4-197-4	\$151.55
Olive Drab	3-208-3	\$30.60	3-208-4	\$107.10	15-208-3	\$30.60	15-208-4	\$107.10	4-208-3	\$45.95	4-208-4	\$151.55
Orange, Cruiser	3-180-3	\$30.60	3-180-4	\$107.10	15-180-3	\$30.60	15-180-4	\$107.10	4-180-3	\$45.95	4-180-4	\$151.55
Orange, International	3-183-3	\$30.60	3-183-4	\$107.10	15-183-3	\$30.60	15-183-4	\$107.10	4-183-3	\$45.95	4-183-4	\$151.55
Orange, Pumpkin	3-182-3	\$30.60	3-182-4	\$107.10	15-182-3	\$30.60	15-182-4	\$107.10	4-182-3	\$45.95	4-182-4	\$151.55
Purple, Christen Eagle	3-361-3	\$30.60	3-361-4	\$107.10	15-361-3	\$30.60	15-361-4	\$107.10	4-361-3	\$45.95	4-361-4	\$151.55
Red, Christen Eagle	3-187-3	\$30.60	3-187-4	\$107.10	15-187-3	\$30.60	15-187-4	\$107.10	4-187-3	\$45.95	4-187-4	\$151.55
Red, Madrid	3-189-3	\$30.60	3-189-4	\$107.10	15-189-3	\$30.60	15-189-4	\$107.10	4-189-3	\$45.95	4-189-4	\$151.55
Red, Pontiac	3-191-3	\$30.60	3-191-4	\$107.10	15-191-3	\$30.60	15-191-4	\$107.10	4-191-3	\$45.95	4-191-4	\$151.55
Red, Santa Fe	3-195-3	\$30.60	3-195-4	\$107.10	15-195-3	\$30.60	15-195-4	\$107.10	4-195-3	\$45.95	4-195-4	\$151.55
Red, Tennessee	3-190-3	\$30.60	3-190-4	\$107.10	15-190-3	\$30.60	15-190-4	\$107.10	4-190-3	\$45.95	4-190-4	\$151.55
Silver, Nevada	3-220M-3	\$30.60	3-220M-4	\$107.10	15-220M-3	\$30.60	15-220M-4	\$107.10	4-220M-3	\$45.95	4-220M-4	\$151.55
Silver, Rancho	3-222M-3	\$30.60	3-222M-4	\$107.10	15-222M-3	\$30.60	15-222M-4	\$107.10	4-222M-3	\$45.95	4-222M-4	\$151.55
Tan, Bermuda	3-205-3	\$30.60	3-205-4	\$107.10	15-205-3	\$30.60	15-205-4	\$107.10	4-205-3	\$45.95	4-205-4	\$151.55
White, Daytona	3-120-3	\$24.50	3-120-4	\$88.80	15-120-3	\$24.50	15-120-4	\$88.80	4-120-3	\$39.80	4-120-4	\$130.10
White, Glacier	3-117-3	\$24.50	3-117-4	\$88.80	15-117-3	\$24.50	15-117-4	\$88.80	4-117-3	\$39.80	4-117-4	\$130.10
White, Insignia	3-105-3	\$24.50	3-105-4	\$88.80	15-105-3	\$24.50	15-105-4	\$88.80	4-105-3	\$39.80	4-105-4	\$130.10
White, Juneau	3-110-3	\$24.50	3-110-4	\$88.80	15-110-3	\$24.50	15-110-4	\$88.80	4-110-3	\$39.80	4-110-4	\$130.10
Yellow, AG Cat	3-242-3	\$30.60	3-242-4	\$107.10	15-242-3	\$30.60	15-242-4	\$107.10	4-242-3	\$45.95	4-242-4	\$151.55
Yellow, Champion	3-240-3	\$30.60	3-240-4	\$107.10	15-240-3	\$30.60	15-240-4	\$107.10	4-240-3	\$45.95	4-240-4	\$151.55
Yellow, Cub	3-143-3	\$30.60	3-143-4	\$107.10	15-143-3	\$30.60	15-143-4	\$107.10	4-143-3	\$45.95	4-143-4	\$151.55
Yellow, Federal	3-139-3	\$30.60	3-139-4	\$107.10	15-139-3	\$30.60	15-139-4	\$107.10	4-139-3	\$45.95	4-139-4	\$151.55
Yellow, J-3 OEM	3-146-3	\$30.60	3-146-4	\$107.10	15-146-3	\$30.60	15-146-4	\$107.10	4-146-3	\$45.95	4-146-4	\$151.55
Yellow, Lemon	3-136-3	\$30.60	3-136-4	\$107.10	15-136-3	\$30.60	15-136-4	\$107.10	4-136-3	\$45.95	4-136-4	\$151.55
Yellow, Lockhaven	3-145-3	\$30.60	3-145-4	\$107.10	15-145-3	\$30.60	15-145-4	\$107.10	4-145-3	\$45.95	4-145-4	\$151.55
Yellow, Orange	3-140-3	\$30.60	3-140-4	\$107.10	15-140-3	\$30.60	15-140-4	\$107.10	4-140-3	\$45.95	4-140-4	\$151.55
Yellow/Orange, Christen Eagle	3-142A-3	\$30.60	3-142A-4	\$107.10	15-142A-3	\$30.60	15-142A-4	\$107.10	4-142A-3	\$45.95	4-142A-4	\$151.55

\*Catalyst U-865 sold separately (see page 258). Aero-Thane cans are ¾ full to accommodate the addition of catalyst.

**Clyde Smith Formulas – Cub Yellow Variants**

Color	Poly-Tone Finish		Poly-Fiber Enamel		Aero-Thane	
	1 quart	1 gallon	1 quart	1 gallon	1 quart	1 gallon
Pre-War Piper Yellow	3-147-3 <b>\$30.60</b>	3-147-4 <b>\$107.10</b>	15-147-3 <b>\$30.60</b>	15-147-4 <b>\$107.10</b>	4-147-3 <b>\$45.95</b>	4-147-4 <b>\$151.55</b>
Post-War Piper Yellow	3-148-3 <b>\$30.60</b>	3-148-4 <b>\$107.10</b>	15-148-3 <b>\$30.60</b>	15-148-4 <b>\$107.10</b>	4-148-3 <b>\$45.95</b>	4-148-4 <b>\$151.55</b>

**Poly-Fiber Composite Finishing Products**

**SuperFil**

An ultra lightweight corrosion inhibiting filler for aircraft, marine, and automotive use. Adheres to composites, bare aluminum, steel, and bare or varnished wood.

Epoxy resin with non-MDA hardener. Ships non-hazardous. Apply EP-420 Epoxy Primer directly over Superfil.



SuperFil Epoxy Filler Kit, 1 quart ..... 8-EF-3 ..... **\$22.90**

**Poly-Fiber Cleaners**

**C-2200 Metl-Sol Metal Surface Cleaner**

A strong solvent blend especially formulated to remove oil, silicone, wax, and other contaminants from all metal surfaces before priming. Not recommended for painted surfaces or to clean over spray-off acrylic windshields due to fast bite and damage.



1 quart ..... 7-2200-3 ..... **\$18.90**

**C-2210 Paint Surface Cleaner**

A mild blend formulated to remove oil, silicone, wax, and other contaminants from all painted or primed surfaces without biting into or damaging the coating.



1 quart ..... 2-2210-3 ..... **\$11.90**  
 1 gallon ..... 2-2210-4 ..... **\$45.00**

**310 Alkaline Cleaner**

An effective, penetrating, general purpose detergent cleaner. Concentrated solution – dilute as necessary with up to 32 parts water. Not harsh on hands; has a pleasant lemon fragrance. Can be used as an extra-strength household cleaner and liquid hand soap.



1 quart ..... 9-310-3 ..... **\$11.80**  
 1 gallon ..... 9-310-4 ..... **\$32.10**

**Poly-Fiber Oils**

**Tubeseal Internal Tubing Corrosion Inhibitor**

A blend containing a very fine preservative oil (REF: MIL SPEC L-21260), which has a characteristic of climbing the tube wall and spreading over the entire surface to provide lasting protection. Prevents rust and corrosion inside aircraft tubing structures.



Tubeseal penetrates and reveals small pin holes in a weld and, over time, will congeal and seal the holes.

1 quart ..... 9-TS-3 ..... **\$26.00**

**Miscellaneous Supplies**

**Silicone Heat Sink Compound**

- Thermal dielectric compound
- For more accurate thermal transfer during iron calibration
- Dissipates heat buildup
- Stable from -40° to 500°
- Will not dry out or harden



1 ounce tube ..... 11-HEATSINK ..... **\$15.80**

**Our new e-commerce website makes ordering online easier than ever!**

**Visit [www.univair.com](http://www.univair.com)**



## Covering Materials Estimates

The chart below will help you figure out just how much of the various wet and dry goods you will need to re-cover your aircraft. Using this chart and the current Ceconite and Randolph prices, you can also get a pretty good idea of what your re-covering project will cost.

We have listed only some aircraft here. If your aircraft does not appear, use the numbers for the most similar aircraft and you'll get a close approximation. For further information, just call, fax, e-mail, or write us. We'll be happy to help you in any way we can.

Aircraft Type	Ceconite Fabric, 70" wide		Finishing Tape		Reinforcing Tape		Rib Lace Cord	New Super Seam	Rand-O-Proof Nitrate Dope	Nitrate Reducer (Thinner)	Clear Non- tautening Butyrate Dope	Rand-O-Fill Silver Butyrate Dope	Butyrate Reducer (Thinner)	Universal Retarder Blush Retarder	Colored Butyrate	Optional: Rantthane HS Polyurethane
	Yards	Rolls	Width	Rolls	Width	Gallons										
<b>A NOTE ABOUT QUANTITIES:</b> Remember that all "wet goods" are sold in both gallons and quarts and that one gallon equals 4 quarts. Examples: 2½ means you need 2 gallons plus 2 quarts. 1¼ means you need 1 gallon plus 1 quart.																
<b>Aeronca Champion &amp; Chief, Callair, Citabria, Funk, Interstate, Cadet, Piper J-3, J-4, J-5, PA-11, PA-12, PA-14, PA-25, Porterfield, Rearwin, Taylorcraft, and many similar aircraft:</b> Complete aircraft	45	1	1"	2	½"	1	1	5	3	10	10	35	5	13	8	
Wings and ailerons	25	4	2"	2	½"	1	½	3	1¾	5¾	5¾	19½	3	7¼	4¼	
Frame	11	1	1"				¼	1¼	¾	2½	2½	9	1¼	3¾	2	
Tail surface	9	2	2"	1	½"	1	¼	1	¾	2	2	7	1	2¾	1¾	
All except frame	34	5	2"	2	½"	1	¾	4	2¼	7¾	7¾	26½	4	10	6	
All except wings	20	3	2"			1	½	2¼	1½	4½	4½	15¾	2¼	6	3¾	
Control surfaces only	11	2	2"	1	½"	1	¼	1¼	¾	2½	2½	9	1¼	3¾	2	
<b>Piper PA-15, PA-16, PA-17, PA-20, PA-22 and many similar aircraft:</b> Complete aircraft	40	6	2"	1	½"	1	1	4½	2¾	9	9	31	4½	12	7	
Wings and ailerons	20	4	2"	1	½"	1	½	2¼	1½	4½	4½	15¾	2¼	6	3¾	
Frame	11	2	2"				¼	1¼	¾	2½	2½	9	1¼	3¾	2	
Tail surfaces	9	2	2"	1	½"	1	¼	1	¾	2	2	7	1	2¾	1¾	
All except frame	29	4	2"	1	½"	1	¾	3¼	2	6½	6½	22¾	3¼	8½	5¼	
All except wings	28	4	2"			1	1	3¼	2	6¼	6¼	22	3¼	8¼	5	
<b>Aeronca 15</b>	30	1	1"				½	3½	2	6¾	6¾	23½	3½	8¾	5½	
<b>Stinson 108</b> Complete aircraft	34	6	2"	1	½"		½	4	2¼	7¾	7¾	26½	4	10	6	
Frame only	13½	1	1"				½	1½	1	3	3	10¾	1½	4	2½	
Wings only	25	5	2"	1	½"		¼	3	1¾	5¾	5¾	19½	3	7¼	4½	
<b>Luscombe Model 8</b>	22	3	2"	1	½"	1	¼	2½	1½	5	5	17¼	2½	6½	3	
<b>Cessna 120/140/170 Wings</b>	22	3	2"	1	½"		¼	2½	1½	5	5	17¼	2½	6½	3	
<b>Ercoupe Wings</b>	16	1	2"	1	½"		¼	2	1	3¾	3¾	12½	2	4¾	3	
<b>Beech D-17 Staggerwing and Waco Cabin</b>	70	2	1"	6	¾"	2	½	8	4¾	15¾	15¾	54½	8	20¼	14	
<b>Boeing (Stearman) PT-13, PT-17, PT-18, PT-27, N25-3, Waco UPF-7, Travel Air 4000, etc.</b> Wings only	65	1	1"	4	¾"	1	1	7¼	4½	14½	14½	50½	7¼	18¾	12	
Frame	40	11	2"	1	3"											
Tail Surfaces	13	1	1"	1	¾"	1	½	1½	1	3	3	10	1½	3¾	2	
<b>Corbin Baby Ace, Bowers Fly Baby and Namu, Pietenpol, Stolp Starlet and similar aircraft</b>	32	1	1"	1	¾"	1	½	3¾	2¼	7¼	7¼	25	3¾	9¼	6	
<b>Kitfox and Avid Flyer All models</b>	32	5	2"	2	½"	1	½	3¾	2¼	7¼	7¼	25	3¾	9¼	6	
		1	3"													
		1	3"													
		1	bias													
		1	4"													