

PAINT, DOPE, AND FABRIC



CECONITE PROCEDURE MANUAL CONTAINS DETAILED INSTRUCTIONS FOR ALL CECONITED RANDOLPH PRODUCTS.
PART NUMBER: 101-MANUAL
 MSDS SHEETS ARE AVAILABLE UPON REQUEST AT TIME OF ORDER.

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!**

NITRATE DOPES AND THINNERS

Description	1 Qt.	1 Gal.	5 Gal.	55 Gal.
Nitrate Non-Tautening Dope (Blue)	20-W7888-3	20-W7888-4	20-W7888-5	20-W7888-55
Nitrate Non-Tautening Dope (Clear)	20-E4964-3	20-E4964-4	20-E4964-5	20-E4964-55
Nitrate Tautening Dope (Clear)	20-270-3	20-270-4	20-270-5	20-270-55
Nitrate Thinner	20-286-3	20-286-4	20-286-5	20-286-55
Rand-O-Proof (Green)	20-G6302-3	20-G6302-4	20-G6302-5	

SEALING THE FABRIC SURFACE

IMPORTANT NOTE: It is imperative to use only Green G-6302 Rand-O-Proof, Blue W-7868 Non Tautening Nitrate Dope, or clear E-4964 Untinted Non-Tautening Nitrate Dope. Only these products will stick to the fabric: Butyrate Dope will not stick!

BUTYRATE DOPES AND THINNERS

Description	1 Qt.	1 Gal.	5 Gal.	55 Gal.
Butyrate Dope Non-Tautening (Pink)	20-W8260-3	20-W8260-4	20-W8260-5	20-W8260-55
Butyrate Dope Tautening (Clear)	20-5703-3	20-5703-4	20-5703-5	20-5703-55
Butyrate Thinner	20-5703-3	20-5703-4	20-5703-5	20-5703-55
Rand-O-Fill (Silver)	20-G6303-3	20-G6303-4	20-G6303-5	

DOPE PEELING FROM FABRIC

Usually caused by not thinning Rand-O-Proof or nitrate sufficiently to encapsulate and wet out both sides of the fabric. This is often caused when the nitrate or Rand-O-Proof is sprayed rather than brushed on. Sprayed first coats do not encapsulate sufficiently.

G-6302 RAND-O-PROOF NITRATE PRIMER



Initial nitrate primer for ceconite fabric, tinted green. Thin one to one 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**Do not add New Super Seam to Rand-O-Proof to improve adhesion when applying tapes!** This is an old technique that is no longer applicable.

See Chart on Left-top

NEW SUPER SEAM CEMENT



This is an improvement of original Ceconite Super Seam Cement. This new formulation is clear, vinyl-based cement that is compatible with all Randolph dopes. Twice the peel strength of original Super Seam. Used out of the can with no thinning, dries in 15 to 30 minutes in most conditions. If allowed to thicken through solvent evaporation, may be brought back to original viscosity by the addition of MEK. Shelf life 2 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.

Qt. — 900
Gal. — 901 PC-320

G-6303 SILVER RAND-O-FILL



Rand-O-Fill is a 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. Rand-O-Fill is mixed one to one with #9703 Butyrate Thinner and applied 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.

See Chart Above

W-8350 NON TAUTENING BUTYRATE DOPE



Specifically formulated for use on Ceconite synthetic fabric. This product has additional plasticizer added to help prevent unnecessary tautening. Thin one to one with #9703 Butyrate Thinner before using.

See Chart Above

GENERIC THINNERS

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

QTY.	Butyrate Thinner	Nitrate Thinner
1 QT	05021A	06021A
1 GAL	05022A	06022A
5 GAL	05023A	06023A
55 GAL	05024A	06024A

All items on this page are Price Code 310 unless otherwise noted
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SPECIAL PRODUCTS

Description	1 Qt.	1 Gal.	5 Gal.
Acid Proof Buttery Box, Black	20-345-3	20-345-4	
Alum Paste (lb.)	20-701		
Butyrate - Rejuvenator	20-J8000-3	20-J8000-4	20-J8000-5
Floor Lacquer	20-FL-3	20-FL-4	
Paint Surface Cleaner	20-C2216-3	20-C2210-4	
Universal Retarder	20-Y9916-3	20-Y9910-4	20-Y9910-5
Wing Walk Compound - Black	20-X15673-3	20-X15673-4	
Wing Walk Compound - Gray	20-X15670-3	20-X15670-4	



NOTE: 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.

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. May be added in amounts up to 20% of the total thinner used when necessary. Also aids in leveling and gloss enhancement when used in final color coats.



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. Thin with #9703 Butyrate thinner: 2 parts Butysolv to 3 parts #9703.



EPOXY PRIMERS AND VARNISH

Description	1 Qt.	2 1/2 Qt. KIT	1 Gal.	2 1/2 Gal. KIT
EV-400 Epoxy Varnish	20-400-3	20-400-3KIT	20-400-4	20-400-4KIT
Epibond Primer (White)	20-W2248-3	20-W2248-3KIT	20-W2248-4	20-W2248-4KIT
Rand-O-Plate, Dark Green	20-B6433-3	20-B6433-3KIT	20-B6433-4	20-B6433-4KIT

Kits include catalysts and reducer.

Rand-O-Plate and Epibond Primer

W-2248 epibond (off white) and B-6433 Rand-O-Plate (dark green) are mixed the same with EP-430 Epoxy Mixing Liquid, 1:1. Let this mixture stand for 20 minutes to give the catalyst time to react. Thin as necessary to desired spray viscosity with reducer for Ranthane G4200. See the Ceconite Procedure manual for additional information.

EPOXY REDUCER/ACCELERATOR

Description	1/2 Pt.	1 Qt.	1 Gal.
E-500 Epoxy Reducer		20-500-3	20-500-4
EX-501 Epoxy Accelerator	20-501-1		

The EV-410 Epoxy Varnish Catalyst is to be used with the EV-400 Epoxy Varnish. Add exactly one part EV-410 to two parts EV-410 Epoxy Varnish. Stir thoroughly and allow 30 minutes before application.

EP-430 Epoxy Primer Catalyst is mixed one part to two part EP-420 Epoxy Metal Primer.

EPOXY CATALYSTS

Description	1 Pint	1 Quart
EP-430 Epoxy Primer Catalyst	20-431-2	20-431-3
EV-410 Epoxy Varnish Catalyst	20-411-2	20-411-3

E-500 Epoxy Reducer is used for thinning spray gun application. Reduce the two mixed components to spray gun viscosity by adding 25% E-500 Epoxy Reducer (19-21 seconds with a #2 Zahn viscosity cup). Additional thinning may be required in hot climates. Three spray coats are recommended at 3 to 4 hour intervals.

EX-501 Epoxy Accelerator is used to shorten the cure time in cold weather, add EX-501 Epoxy Accelerator at a ratio of 1 to a maximum 3 liquid ounces to 1 quart of catalyzed varnish, unthinned. Stir thoroughly. 1 ounce of EX-501 will reduce the pot life from 5 hours to 3 hours and curing time from approximately 7 days to 4 days at 70°F. Do not exceed 3 ounces per quart.

W-2248 EPIBOND OFF WHITE



For use primarily on aluminum and composite surfaces.

B-6433 RAND-O-PLATE DARK GREEN



For use primarily on steel.

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RANTHANE REDUCERS/CATALYSTS/ACCELERATORS

Description	1 Pint	1 Qt	1 Gal	5 Gal
Accelerator for Ranthane		22-0790-3		
Cat. for High Solids Finishes	22-AUCAT2X1-7	22-AUCAT2X1-3	22-AUCAT2X1-4	
Reducer for Ranthane		22-04200-1	22-04200-4	22-04200-5

Note: Mixing ratio is 2:1. One gallon requires 2 quarts of catalyst. One quart requires 1 pint of catalyst.

257 ENAMEL REDUCER



RANTHANE HIGH-SOLIDS POLYURETHANE PAINT



AU-CAT-2X1 RANTHANE CATALYST



G-4200 RANTHANE REDUCER



This wet-look, high gloss two-component paint may be used over fabric, primed metal, or composites. It is impervious to chemicals, avgas, and staining. Use only AU-CAT-2X1 catalyst and G-4200 Reducer.

ENAMEL REDUCER

Description	1 Qt.	1 Gal.
Enamel Reducer	22-257-3	22-257-4

FAST DRY ENGINE ENAMELS

Description	1 Qt.	1 Gal.
Black Fast Dry Engine Enamel	24-300-3	24-300-4
Continental Tank Engine Enamel	24-34871-3	24-34871-4
Lycoming Dry Engine Enamel	24-34856-3	24-34856-4

SOLVENTS

Description	1 Qt.	1 Gal.	1 Gal.	55 Gal.
Acetone	25-ACE-3	25-ACE-4	25-ACE-5	25-ACL-55
Isopropyl Alcohol	25-IPA-3	25-IPA-4	25-IPA-5	
MEK	25-MEK-3	25-MEK-4	25-MEK-5	
Methyl Spirit	25-TOL-3	25-TOL-4	25-TOL-5	25-TOL-55

NOTES ON RANDOLPH COLORED FINISHES:

BUTYRATE DOPES

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

COLORED BUTYRATE DOPE



All Randolph Colored Butyrate Dope is a non-tautening high quality dope made only from premium non-bleeding pigments. Colors are available in quart and gallon containers from distributors and directly from the factory. Standard colors are shown on the Flight Proven aircraft color card. Thin one to one with #9703 Butyrate Thinner before spraying.

RANTHANE HIGH SOLIDS (HS) POLYURETHANE (FOR PRIMED METAL, COMPOSITES, AND FOR FABRIC)

Polyurethane paint sticks well to everything, so you use it on fabric, primed metal, and fiberglass. It gives a high-gloss "wet-look" finish that is impervious to chemicals and staining. You can use **Ranthane HS** over the fabric and metal parts; all surfaces will have the same gloss and uniform look. **Ranthane 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.

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.

ENAMEL PAINTS

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 fuselages or on parts that will be exposed to fabric cements or dope which will wrinkle enamel. **DON'T USE ENAMEL ON FABRIC!** Enamel is far too brittle for fabric; it will crack in short order.

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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-CAT2X1 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 2.3-3.2 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 Reducer.
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/G2405 Ranthane (yellow) Epoxy Primer/Catalyst, W2248/W2249 Epibond dark green) Epoxy Primer/Catalyst or E9945/E9946 Epoxy (light gray) Primer/Catalyst
Associated Products: **AD7201 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: 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	10 seconds
4 hours	60 seconds
8 hours	no gel

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Description	BUTYRATE COLORS		RANTHANE HIGH SOLIDS		ENAMEL COLORS	
	1 QT	1 GAL	1 QT	1 GAL	1 QT	1 GAL
Black, Dakota	21-H6117-3	21-H6117-4	22-H6117-3	22-H6117-4	23-H6117-3	23-H6117-4
Blue, AN True	21-W9506-3	21-W9506-4	22-W9506-3	22-W9506-4	23-W9506-3	23-W9506-4
Blue, Bahama	21-H9170-3	21-H9170-4	22-H9170-3	22-H9170-4	23-H9170-3	23-H9170-4
Blue, Insignia	21-M9502-3	21-M9502-4	22-M9502-3	22-M9502-4	23-M9502-3	23-M9502-4
Blue, Lakeland	21-W3554-3	21-W3554-4	22-W3554-3	22-M9502-4	23-W3554-3	23-W3554-4
Blue, Miami	21-X5700-3	21-X5700-4	22-X5700-3	22-X5700-4	23-X5700-3	23-X5700-4
Blue, Newport Metallic	21-W8430-3	21-W8430-4	22-W8430-3	22-W8430-4	23-W8430-3	23-W8430-4
Brown, Hickory	21-Y9775-3	21-Y9775-4	22-Y9775-3	22-Y9775-4	23-Y9775-3	23-Y9775-4
Brown, Sandlewood	21-R8175-3	21-R8175-4	22-R8175-3	22-R8175-4	23-R8175-3	23-R8175-4
Cream, Diana	21-M9518-3	21-M9518-4	22-M9518-3	22-M9518-4	23-M9518-3	23-M9518-4
Cream, Tucson	21-X5260-3	21-X5260-4	22-X5260-3	22-X5260-4	23-X5260-3	23-X5260-4
Gold, Reno Metallic	21-B9916-3	21-B9916-4	22-B9916-3	22-B9916-4	23-B9916-3	23-B9916-4
Gray, Ag Cat	21-F7790-3	21-F7790-4	22-F7790-3	22-F7790-4	23-F7790-3	23-F7790-4
Gray, Neutral	21-R4870-3	21-R4870-4	22-R4870-3	22-R4870-4	23-R4870-3	23-R4870-4
Gray, Platinum	21-R8174-3	21-R8174-4	22-R8174-3	22-R8174-4	23-R8174-3	23-R8174-4
Gray, Polar	21-Y6100-3	21-Y6100-4	22-Y6100-3	22-Y6100-4	23-Y6100-3	23-Y6100-4
Green, Federal	21-F2406-3	21-F2406-4	22-F2406-3	22-F2406-4	23-F2406-3	23-F2406-4
Green, Forest	21-Y6350-3	21-Y6350-4	22-Y6350-3	22-Y6350-4	23-Y6350-3	23-Y6350-4
Green, Montego	21-F5830-3	21-F5830-4	22-F5830-3	22-F5830-4	23-F5830-3	23-F5830-4
Green, Olive Drab	21-R4869-3	21-R4869-4	22-R4869-3	22-R4869-4	23-R4869-3	23-R4869-4
Green, Tampa Metallic	21-W8427-3	21-W8427-4	22-W8270-3	22-W8270-4	23-W8270-3	23-W8270-4
Ivory, Sun Valley	21-Z7245-3	21-Z7245-4	22-Z7245-3	22-Z7245-4	23-Z7245-3	23-Z7245-4
Maroon, Boston	21-X5680-3	21-X5680-4	22-X5680-3	22-X5680-4	23-X5680-3	23-X5680-4
Maroon, Stinson	21-X5749-3	21-X5749-4	22-X5749-3	22-X5749-4	23-X5749-3	23-X5749-4
Orange, Aeronca 7AC	21-E6428-3	21-E6428-4	22-E6428-3	22-E6428-4	23-E6428-3	23-E6428-4
Orange, Cessna Tiger	21-P8600-3	21-P8600-4	22-P8600-3	22-P8600-4	23-P8600-3	23-P8600-4
Orange, Cruiser	21-M9526-3	21-M9526-4	22-M9526-3	22-M9526-4	23-M9526-3	23-M9526-4
Orange, Ocala	21-C2065-3	21-C2065-4	22-C2065-3	22-C2065-4	23-C2065-3	23-C2065-4
Red, Cadillac	21-J9555-3	21-J9555-4	22-J9555-3	22-J9555-4	23-J9555-3	23-J9555-4
Red, Colorado	21-B9163-3	21-B9163-4	22-B9163-3	22-B9163-4	23-B9163-3	23-B9163-4
Red, Madrid	21-B3534-3	21-B3534-4	22-B3534-3	22-B3534-4	23-B3534-3	23-B3534-4
Red, Pontiac	21-W3665-3	21-W3665-4	22-W3665-3	22-W3665-4	23-W3665-3	23-W3665-4
Red, Santa Fe	21-H9150-3	21-H9150-4	22-H9150-3	22-H9150-4	23-H9150-3	23-H9150-4
Red, Tennessee	21-M9522-3	21-M9522-4	22-M9522-3	22-M9522-4	23-M9522-3	23-M9522-4
Red, Vermillion	21-M9530-3	21-M9530-4	22-M9530-3	22-M9530-4	23-M9530-3	23-M9530-4
Silver Metallic	21-M9514-3	21-M9514-4	22-M9514-3	22-M9514-4	23-M9514-3	23-M9514-4
White, Daytona	21-J9545-3	21-J9545-4	22-J9545-3	22-J9545-4	23-J9545-3	23-J9545-4
White, Insignia (Randolph)	21-Q1916-3	21-Q1916-4	22-Q1916-3	22-Q1916-4	23-Q1916-3	23-Q1916-4
White, Juneau	21-B4243-3	21-B4243-4	22-B4243-3	22-B4243-4	23-B4243-3	23-B4243-4
White, New Insignia	21-Q1050-3	21-Q1050-4	22-Q1050-3	22-Q1050-4	23-Q1050-3	23-Q1050-4
White, Tropic	21-W9170-3	21-W9170-4	22-W9170-3	22-W9170-4	23-W9170-3	23-W9170-4
White, Vestal	21-K7641-3	21-K7641-4	22-K7641-3	22-K7641-4	23-K7641-3	23-K7641-4
Yellow, Aeronca 7AC	21-E6427-3	21-E6427-4	22-E6427-3	22-E6427-4	23-E6427-3	23-E6427-4
Yellow, Ag Cat	21-D9270-3	21-D9270-4	22-D9270-3	22-D9270-4	23-D9270-3	23-D9270-4
Yellow, AN Orange	21-M9501-3	21-M9501-4	22-M9501-3	22-M9501-4	23-M9501-3	23-M9501-4
Yellow, Dallas	21-Y5783-3	21-Y5783-4	22-Y5783-3	22-Y5783-4	23-Y5783-3	23-Y5783-4
Yellow, Federal	21-N3353-3	21-N3353-4	22-N3353-3	22-N3353-4	23-N3353-3	23-N3353-4
Yellow, Lemon	21-M9512-3	21-M9512-4	22-M9512-3	22-M9512-4	23-M9512-3	23-M9512-4
Yellow, Lock Haven	21-M9521-3	21-M9521-4	22-M9521-3	22-M9521-4	23-M9521-3	23-M9521-4
Yellow, Piper J3	21-F6285-3	21-F6285-4	22-F6285-3	22-F6285-4	23-F6285-3	23-F6285-4

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CECONITE PRODUCTS



CECONITE PROCEDURE MANUAL

A good reference for covering and technical information for Ceconite and Randolph products.

Ceconite Manual.....CMAN2

CECONITE SURFACE TAPES (102)



Description	Length	P/N
1/2 inch Straight Edged Tape - Priced Per Roll	50 yd roll	100-PF-50
1/2 inch Straight Edged Tape - Priced Per Yard		102
1/2 inch Pinked Edged Tape - Priced Per Roll	25 yd roll	103
1/2 inch Pinked Edged Tape - Priced Per Yard		104
1 1/2 inch Straight Edged Tape - Priced Per Roll	50 yd roll	150
1 1/2 inch Straight Edged Tape - Priced Per Yard		151
1 1/2 inch Pinked Edged Tape - Priced Per Roll	25 yd roll	152
1 1/2 inch Pinked Edged Tape - Priced Per Yard		153
2 inch Straight Edged Tape - Priced Per Roll	50 yd roll	200
2 inch Straight Edged Tape - Priced Per Yard		201
2 inch Pinked Edged Tape - Priced Per Roll	50 yd roll	202
2 inch Pinked Edged Tape - Priced Per Yard		203
2 inch Biased/Pinked Edged Tape - Priced Per Roll	25 yd roll	204
2 inch Biased/Pinked Edged Tape - Priced Per Yard		205
3 inch Straight Edged Tape - Priced Per Roll	50 yd roll	300
3 inch Straight Edged Tape - Priced Per Yard		301
3 inch Pinked Edged Tape - Priced Per Roll	25 yd roll	302-PF-25
3 inch Pinked Edged Tape - Priced Per Yard		303
3 inch Biased/Pinked Edged Tape - Priced Per Roll	25 yd roll	304-PF-25
3 inch Biased/Pinked Edged Tape - Priced Per Yard		305-PF-25
4 inch Straight Edged Tape - Priced Per Roll	50 yd roll	400
4 inch Straight Edged Tape - Priced Per Yard		401
4 inch Pinked Edged Tape - Priced Per Roll	25 yd roll	402-PF-25
4 inch Pinked Edged Tape - Priced Per Yard		403
4 inch Biased/Pinked Edged Tape - Priced Per Roll	25 yd roll	404
4 inch Biased/Pinked Edged Tape - Priced Per Yard		405
6 inch Straight Edged Tape - Priced Per Roll	50 yd roll	600
6 inch Straight Edged Tape - Priced Per Yard		601
6 inch Pinked Edged Tape - Priced Per Roll	25 yd roll	602-PF-25
6 inch Pinked Edged Tape - Priced Per Yard		603

CECONITE FABRICS

Due to FAA Inspection requirements, full rolls vary in length from 30 to 50 yards.



- 70 Inch 101 Ceconite101-70
- 70 Inch 101 Ceconite, Full roll101-70FRL
- 70 Inch 102 Ceconite102-70
- 70 Inch 102 Ceconite, Full Roll102-70FRL

CECONITE 101

(3.4 ounces/sq. yard)

This 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 rock and tear resistance. It finishes well and fills with normal applications of dope to a smooth surface. Meets the requirement of TSO C-15d.

RECOMMENDED AIRCRAFT:

Aerobatic and bush planes, ag aircraft, and warbirds.

SPECIFICATIONS:

Thread Count: 65X58/inch
 Breaking Strength: 125+lb/inch
 Bursting strength: 304 psi

CECONITE 102

(2.6 ounces/sq. yard)

Ceconite 102 is considered our standard fabric. It is a good replacement in finish for Grade A cotton. Recommended for all service on a wide variety of aircraft regardless of wing loading or horsepower. Meets TSO C-15d

RECOMMENDED AIRCRAFT:

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

SPECIFICATIONS:

Thread Count: 70X61/inch
 Breaking Strength: 102 lb/inch
 Bursting strength: 201 psi



REINFORCING, ANTI-CHAFE & RIB BRACING TAPES

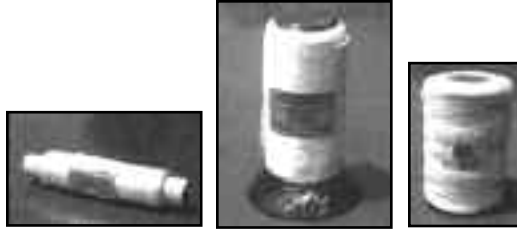
- 3/8-Inch polyester Reinforcing Tape3/8RT-PF
- 1/2-Inch Polyester Reinforcing Tape1/2RT-PF
- 1-Inch wide Anti-Chafing Tape, 60 yd. roll1.0ACT
- 1/2-Inch wide inter-Rib Bracing Tape, 36 yd. roll1/2RB

TAUTENING CECONITE FABRIC

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

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

PAINT, DOPE, AND FABRIC



CECONITE THREAD AND CORDS

- Machine Sewing Thread, 500 yard spool **PC-320**D-69
- Hand Sewing Thread, 500 yard spool **PC-320**D-207
- Rib Lace Cord, 8 ounce spool **PC-320**D-693
- Flat Rib Lace Cord, 8 ounce spool **PC-305**SF-694-250

COTTON WOVEN REINFORCEMENT TAPE

1/2" Inch Reinforcing Tape
(36 yd. roll).....RV3002-36

PC-340

COVERING ACCESSORIES

<i>Description</i>	<i>Part No.</i>
Multi-purpose Cloth Tape.....	MP1
Rib Stitching Needle, 10-inch.....	BRN10
Rib Stitching Needle, 12-inch.....	BRN12
Rib Stitching Needle, 14-inch.....	BRN14
Rib Stitching Needle, 16-inch.....	BRN16
Rib Stitching Needle, 18-inch.....	BRN18
Viscosity Cup.....	BRVC
Fabric Iron Thermometer.....	BR6200
Fabric Iron.....	BR6201

PC-335

CHAFE STRIP

3/4" woven cotton.....CHAFE
(sold per yard or 60 yard rolls)

PC-399

RIB STITCH CORD NO. 9 Waxed Linen Cord



Rib Stitch Cord (100 yd. roll)..... **PC-340**RV4001

FABRIC STITCHING NEEDLES

- Curved Needle, 3".....11-CN3
- Curved Needle, 6".....11-CN6
- Curved Needle, 12".....11-RNC12

PC-315

MAULE FABRIC TESTER Used for Punch Testing Aircraft Fabric Covering and Piper Lift Struts



Part number **PC-695**TW-01

FABRIC PATCHES



Pinked Grade A Dollar Patches

Fabric Patches (Pkg. of 100).....5001

PC-399

DRAIN GROMMETS



Seaplane Drain Grommets (above left)
(sold separately)..... **PC-580**AN231-4

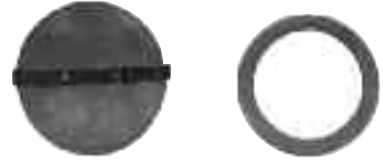
Drain Grommets (above right)
(package of 100)..... **PC-599**11-43-F

CLOTH TAPE



Part number..... **PC-335**MP1

INSPECTION PATCHES, RINGS AND PLATES



Inspection Patch, OD 6".....INSP-PATCH
Inspection Ring OD 4 1/2", ID 3 1/2"483-15
Inspection Plate 4 3/4" diameter483-10

PC-399

PIPER INSPECTION PLATES FAA-PMA APPROVED



This is a 4 3/4 in. 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 the plate in place. FAA-PMA Approved for fabric covered Piper aircraft.

Part number **PC-150**U12761-002

CITABRIA "TWO STRAP" INSPECTION PLATE



This plate is also a "domed" inspection plate 4 7/8" in diameter, but it has 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 to replace standard inspection plates that have a tendency to come off too easily in the prop wash area under the wing.

Part number..... **PC-102**U3-639

FLAT AND RECESSED INSPECTION PLATE



This is a flat aluminum plate with a 4 7/8" diameter, and it has a recessed area that fits inside the inspection hole. It has a single spring steel strap.

Part number **PC-399**SPEC-PLATE

All items on this page are Price Code 310 unless otherwise noted

Price and availability subject to change without notice. Univair's Toll Free Sales: 1-888-433-5433

PAINT, DOPE, AND FABRIC

NEW SUPER SEAM CEMENT



This is an improvement of the original Ceconite Super Seam Cement. This new formulation is clear, vinyl-based cement that is compatible with all Randolph dopes. Twice the peel strength of original Super Seam. Used out of the can with no thinning, dries in 14 to 30 minutes in most conditions. If allowed to thicken through solvent evaporation, it may be brought back to original viscosity by the addition of MEK. Shelf life of 2 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.

Qt.....900
Gal.....901

PC-399



COOPER AVIATION PRODUCTS



Dac-Proof,
(primer for polyester) 1 Gal.8300-1
Spra-Fill,
(silver coat, ultraviolet barrier for polyester)
1 Gal.8301-1

PC-305

CECONITE PROCEDURE MANUAL



A good reference for covering and technical information for Ceconite and Randolph products.

Ceconite Procedure Manual101-MANUAL

PC 320



TEMPO PAINTS IN AEROSOL CANS

Red Oxide Sanding Primer7-3000
Yellow Zinc Chromate Primer (S7-6889)7-6889
Green Zinc Chromate Primer(A7-6889A) ..7-6889A
Flat Black Lacquer (A810)9-24
Black Wrinkle Enamel (817).....10-101
Red Enamel (A1120)10-1110
Continental Gold Engine Enamel (239)11-14
Silicone Spray20-117
Penetrating Oil.....20-128

PC-301

CORROSION CONTROL MANUAL



Aircraft Corrosion Control Manual.....EA-CC-1

PC 720

COVERING MATERIAL ESTIMATES

The chart on the following pages 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.



CECONITE PROCEDURE MANUAL CONTAINS
DETAILED INSTRUCTIONS FOR ALL
CECONITED RANDOLPH PRODUCTS.
PART NUMBER: 101-MANUAL
MSDS SHEETS ARE AVAILABLE UPON REQUEST
AT TIME OF ORDER.

PAINT, DOPE, AND FABRIC

MANUAL - How to Cover 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.



Part Number11-PFMANUAL

PRACTICE KIT

A practice frame plus coatings to cover it at least twice through the Poly-Spray stage. Includes a simplified manual, thermometer, rib lacing needle, and materials to learn and practice rib lacing.



Part Number11-INTROKIT

POLY-FIBER COVERING VIDEO TAPE

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



VHS11-VIDEO
DVD11-PFDVD

INSTRUCTIONAL ITEMS



Poly-Fiber Intro Brochure



Poly-Fiber One-Page Mailer



Color Card No. 50

INSTRUCTIONAL ITEMS		
DESCRIPTION	QTY.	PART NO.
Poly-Fiber Intro Brochure	EA	11-PFBROCHURE
Poly-Fiber One-Page Mailer	EA	11-PFMAILER
Color Card No. 50	EA	

POLYESTER FABRIC



Heavy-Duty - For more rigorous operations such as aerobatics, agricultural, bush aircraft, and former military aircraft.

Medium - Heavier and stronger fabric styles for normal service on aircraft with a wing loading of 9lbs. per square foot and over.

Light - Special designed fabric for light aircraft with a wing load under 9 lbs. per square foot.

FABRIC					
DESCRIPTION	WEIGHT	WIDTH	THREAD COUNT	UNIT SOLD	PART NO.
Heavy Duty	3.4 OZ	72 IN	68 X 56	YD	1-HEAVY
Medium	2.6 OZ	71/72 IN	68 X 62	YD	1-MEDIUM
Uncertified Light	1.7 OZ	66 IN	92X 76	YD	1-LIGHTU

POLYESTER FINISHING TAPES



Linear Pinked Tapes

Linear Pinked Tapes available in Light and Medium. All styles of linear and bias finishing tape may be used interchangeably.

Bias Pinked Tapes

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			
WIDTH	UNIT SOLD	PART NO.	
2 IN	50 YD Roll	1-MEDUM2	
3 IN	25 YD Roll	1-MEDUM3	
4 IN	25 YD Roll	1-MEDUM4	
6 IN	25 YD Roll	1-MEDUM6	

LINEAR PINKED TAPES LIGHT WEIGHT 1.7 OZ			
WIDTH	UNIT SOLD	PART NO.	
2 IN	25 YD Roll	1-LIGHT2	
3 IN	25 YD Roll	1-LIGHT3	
4 IN	25 YD Roll	1-LIGHT4	
6 IN	25 YD Roll	1-LIGHT6	

BIAS PINKED TAPES 45° CUT 2.4 OZ			
WIDTH	UNIT SOLD	PART NO.	
2 IN	25 YD Roll	1-BIAS2	
3 IN	25 YD Roll	1-BIAS3	
4 IN	25 YD Roll	1-BIAS4	

POLYESTER RIB LACE REINFORCING TAPE



REINFORCING & INTER-RIB BRACING TAPES		
WIDTH	UNIT SOLD	PART NO.
3/8" Reinforcing Tape	60 YD	1-RT3
1/2" Reinforcing Tape	60 YD	1-RT2
1/2" Inter-Rib Bracing Tape	36 YD	1-IRT2

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.

Inter-Rib Bracing tape

PAINT, DOPE, AND FABRIC



THREADS AND RIB LACING CORDS



Polyester Hand Sewing Thread
15 lbs. tensile strength, 3 ply uncoated thread. Packaged 250 yards per spool.

Polyester Machine Sewing Thread
10 lbs. tensile strength, 4 ply thread. Packaged 500 yards per spool.



Polyester Rib Lacing Cord
Two styles of lacing cord are available, both impregnated with microcrystalline fungicidal wax.
1. Standard round 4 ply, .035" diameter, 60 lbs. tensile strength. 296 yard roll

2. Flat braided cord, .012 thick X approximately .080 width, 50 lbs. tensile strength.
Recommended when the minimum rib cord protrusion is desired. 500 yard roll

THREADS & RIB LACING CORDS		
DESCRIPTION	UNIT SOLD	PART NO.
MACHINE THREAD	500 YD SPOOL	1-TM
HAND-SEWING THREAD	250 YD SPOOL	1-TH
STANDARD RIB LACING CORD	296 YD SPOOL	1-TS
FLAT RIB LACING CORD	500 YD SPOOL	1-TF

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.

POLY-SPRAY		
DESCRIPTION	QTY.	PART NO.
POLY-SPRAY	QT	2-PS-3
POLY-SPRAY	GL	2-PS-4

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.

POLY-TAK		
DESCRIPTION	QTY.	PART NO.
POLY-TAK	QT	2-PT-3
POLY-TAK	GL	2-PT-4

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.

POLY-BRUSH		
DESCRIPTION	QUANTITY	PART NO.
POLY-BRUSH (Tinted)	QT	2-PB-3
POLY-BRUSH (Tinted)	GL	2-PB-4
POLY-BRUSH (Clear)	QT	2-PB-3
POLY-BRUSH (Clear)	GL	2-PB-4

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.



RJ 1200 POLY-TONE REJUVENATOR		
DESCRIPTION	QTY.	PART NO.
RJ 1200 POLY-TONE REJUVENATOR	QT	2-RJ-3
RJ 1200 POLY-TONE REJUVENATOR	GL	2-RJ-4

BLUSH RETARDER BR-8600



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.

BR-8600 BLUSH RETARDER		
DESCRIPTION	QTY.	PART NO.
BR 8600 RETARDER	QT	2-BR-3

POLY-FIBER REDUCERS & RETARDERS



A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray, and Poly-Tone.

REDUCER, R65-75 is the standard reducer recommended for viscosity control in normal temperatures 65° and 75° F.

RETARDER REDUCER- 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.

R 65-75 REDUCER		
DESCRIPTION	QTY.	PART NO.
R-65-75 REDUCER	QT	2-R5-3
R-65-75 REDUCER	GL	2-R5-4
R-65-75 REDUCER	5 GL	2-R5-5

RR-8500 REDUCER RETARDER		
DESCRIPTION	QTY.	PART NO.
RR 8500 REDUCER	QT	2-R5-3
RR 8500 REDUCER	GL	2-R5-4

UNIVAIR AIRCRAFT CORPORATION HAS BEEN SUPPORTING GENERAL AVIATION FOR OVER 62 YEARS. TOLL FREE SALES: 1-888-433-5433

All items on this page are Price Code 315 unless otherwise noted
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PAINT, DOPE, AND FABRIC

EV-400 EPOXY VARNISH & EV-410 EPOXY VARNISH CATALYST



EV-400
EV-410

EPOXY VARNISH EV-400

CLEAR GLOSS, EXTERIOR & INTERIOR- 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.

EPOXY VARNISH CATALYST EV-410

MIXING PROCEDURE: Add exactly one part EV-410 catalyst to 2 parts EV-400 base component.

EV-400 Epoxy Varnish Kits include varnish and EV410 Catalyst.

EV-400 EPOXY VARNISH & EV-410 EPOXY VARNISH CATALYST		
DESCRIPTION	UNIT SOLD	PART NO.
EV-400 EPOXY VARNISH	QT	8-430-3
EV-400 EPOXY VARNISH	GAL	8-430-4
EV-400 EPOXY VARNISH 2 1/2 QT KIT (includes catalyst)	2 1/2 QT KIT	8-400-3KIT
EV-400 EPOXY VARNISH 2 1/2 GAL KIT (includes catalyst)	2 1/2 GAL KIT	8-400-4KIT
EV-410 EPOXY VARNISH CATALYST	PINT	8-410-2
EV-410 EPOXY VARNISH CATALYST	QT	8-410-3

EPOXY METAL PRIMER EP-420 GREEN OR WHITE



Green White

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 EP430 catalyst to 2 parts EP-420 base component.

2 1/2 Quart & 2 1/2 Gallon Kits include EP-430 Epoxy Primer Catalyst.

EP-420 EPOXY METAL PRIMER		
DESCRIPTION	UNIT SOLD	PART NO.
EP-420 EPOXY METAL PRIMER-GREEN	QT (Paint Only)	8-420G-3
EP-420 EPOXY METAL PRIMER-GREEN	GAL (Paint Only)	8-420G-4
EP-420 EPOXY METAL PRIMER-GREEN 2 1/2 QT KIT	2 1/2 QT KIT	8-420G-3KIT
EP-420 EPOXY METAL PRIMER-GREEN 2 1/2 GAL KIT	2 1/2 GAL KIT	8-420G-4KIT
EP-420 EPOXY METAL PRIMER-WHITE	QT (Paint Only)	8-420W-3
EP-420 EPOXY METAL PRIMER-WHITE	GAL (Paint Only)	8-420W-4
EP-420 EPOXY METAL PRIMER-WHITE 2 1/2 QT KIT	2 1/2 GAL KIT	8-420W-3KIT
EP-420 EPOXY METAL PRIMER-WHITE 2 1/2 GAL KIT	GAL KIT	8-420W-4KIT

EPOXY PRIMER CATALYST EP-430

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



EP-430 EPOXY PRIMER CATALYST	
QUANTITY	PART NO.
PINT	8-430-2
QUART	8-430-3

ENAMEL REDUCER

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



ENAMEL REDUCER		
DESCRIPTION	QTY.	PART NO.
ENAMEL REDUCER	QT	15-ER-3
ENAMEL REDUCER	GL	15-ER-4

EPOXY REDUCER E-500

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



E-500 EPOXY REDUCER		
DESCRIPTION	QTY	PART NO.
E-500 EPOXY REDUCER	QT	8-500-3
E-500 EPOXY REDUCER	GL	8-500-4

EX-501 EPOXY ACCELERATOR & E-502 EPOXY RETARDER

EX-501 EPOXY ACCELERATOR

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

E-502 EPOXY RETARDER

Add to Epoxy Primer and Epoxy Varnish as needed, up to four ounces per quart to extend the drying time.



EX-501
E-502

EX-501 EPOXY ACCELERATOR & E-502 EPOXY RETARDER		
DESCRIPTION	QTY.	PART NO.
EX-501 EPOXY ACCELERATOR	1/2 PT	8-501-1
E-502 EPOXY RETARDER	QT	8-502-3

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

UV BLOCKER		
DESCRIPTION	QTY	PART NO.
UV BLOCKER	1/2 PT	3-21UV-1

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.

KITS INCLUDING URETHANE CATALYST:

One-Quart Kit=3/4-filled quart base component plus 1/2 pint of catalyst.
One-Gallon Kit= 3/4-filled gallon base component plus 1 quart of catalyst.



AO-100 CLEAR AERO-THANE		
DESCRIPTION	QTY.	PART NO.
AO-100 CLEAR AERO-THANE	QT	4-100-3
AO-100 CLEAR AERO-THANE	GAL	4-100-4
AO-100 CLEAR AERO-THANE Q1 KIT	Q1 KIT	4-100-3KIT
AO-100 CLEAR AERO-THANE GAL KIT	GAL KIT	4-100-4KIT

URETHANE CATALYST U-865

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



U-865 URETHANE CATALYST		
DESCRIPTION	QTY	PART NO.
U-865 URETHANE CATALYST	1/2 PT	8-865-1
U-865 URETHANE CATALYST	QT	8-865-3

PAINT, DOPE, AND FABRIC



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.

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.

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. Cans are 3/4 full for the addition of catalyst.

DESCRIPTION	POLY-TONE COLORS		POLY-FIBER ENAMEL COLORS		AERO-THANE COLORS	
	QTS.	GAL.	QTS.	GAL.	QTS.	GAL.
Black, Dakota	3-215-3	3-215-4	15-215-3	15-215-4	4-215-3	4-215-4
Blue, AN (True)	3-173-3	3-173-4	15-173-3	15-173-4	4-173-3	4-173-4
Blue, Bahama	3-170-3	3-170-4	15-170-3	15-170-4	4-170-3	4-170-4
Blue, Christen Eagle	3-177-3	3-177-4	15-177-3	15-177-4	4-177-3	4-177-4
Blue, Insignia	3-176-3	3-176-4	15-176-3	15-176-4	4-176-3	4-176-4
Blue, Lakeland	3-165-3	3-165-4	15-165-3	15-165-4	4-165-3	4-165-4
Blue, Piper Trainer	3-318M-3	3-318M-4	15-318M-3	15-318M-4	4-318M-3	4-318M-4
Brown, Elsinore	3-203-3	3-204-4	15-203-3	15-204-4	4-203-3	4-204-4
Cream, Diana	3-131-3	3-131-4	15-131-3	15-131-4	4-131-3	4-131-4
Cream, Tucson	3-125-3	3-125-4	15-125-3	15-125-4	4-125-3	4-125-4
Gold, Reno	3-301M-3	3-301M-4	15-301M-3	15-301M-4	4-301M-3	4-301M-4
Gray, Jasper	3-219-3	3-219-4	15-219-3	15-219-4	4-219-3	4-219-4
Green, Cuby Sport Trainer	3-157-3	3-157-4	15-157-3	15-157-4	4-157-3	4-157-4
Green, Everglades	3-151-3	3-151-4	15-151-3	15-151-4	4-151-3	4-151-4
Green Federal	3-208A-3	3-208A-4	15-208A-3	15-208A-4	4-208A-3	4-208A-4
Green, Forest	3-160-3	3-160-4	15-160-3	15-160-4	4-160-3	4-160-4
Green, Oak	3-212-3	3-212-4	15-212-3	15-212-4	4-212-3	4-212-4
Green, Portland	3-156-3	3-156-4	15-156-3	15-156-4	4-156-3	4-156-4
Gray, AG Cat	3-213-3	3-213-4	15-213-3	15-213-4	4-213-3	4-213-4
Grey, Federal	3-213A-3	3-213A-4	15-213A-3	15-213A-4	4-213A-3	4-213A-4
Grey, Polar	3-210-3	3-210-4	15-210-3	15-210-4	4-210-3	4-210-4
Ivory, Sun Valley	3-132-3	3-132-4	15-132-3	15-132-4	4-132-3	4-132-4
Maroon, Boston	3-196-3	3-196-4	15-196-3	15-196-4	4-196-3	4-196-4
Maroon, Stinson	3-197-3	3-197-4	15-197-3	15-197-4	4-197-3	4-197-4
Olive Drab	3-208-3	3-208-4	15-208-3	15-208-4	4-208-3	4-208-4
Orange, Cruiser	3-180-3	3-180-4	15-180-3	15-180-4	4-180-3	4-180-4
Orange, International	3-183-3	3-183-4	15-183-3	15-183-4	4-183-3	4-183-4
Orange, Pumpkin	3-182-3	3-182-4	15-182-3	15-182-4	4-182-3	4-182-4
Purple, Christen Eagle	3-361-3	3-361-4	15-361-3	15-361-4	4-361-3	4-361-4
Red, Christen Eagle	3-187-3	3-187-4	15-187-3	15-187-4	4-187-3	4-187-4
Red, Madrid	3-189-3	3-189-4	15-189-3	15-189-4	4-189-3	4-189-4
Red, Pontiac	3-191-3	3-191-4	15-191-3	15-191-4	4-191-3	4-191-4
Red, Santa Fe	3-195-3	3-195-4	15-195-3	15-195-4	4-195-3	4-195-4
Red, Tennessee	3-190-3	3-190-4	15-190-3	15-190-4	4-190-3	4-190-4
Silver, Nevada	3-220M-3	3-220M-4	15-220M-3	15-220M-4	4-220M-3	4-220M-4
Silver, Rancho	3-222M-3	3-222M-4	15-222M-3	15-222M-4	4-222M-3	4-222M-4
Tan, Bermuda	3-205-3	3-205-4	15-205-3	15-205-4	4-205-3	4-205-4
White, Daytona	3-120-3	3-120-4	15-120-3	15-120-4	4-120-3	4-120-4
White, Glacier	3-117-3	3-117-4	15-117-3	15-117-4	4-117-3	4-117-4
White, Insignia	3-105-3	3-105-4	15-105-3	15-105-4	4-105-3	4-105-4
White, Juneau	3-110-3	3-110-4	15-110-3	15-110-4	4-110-3	4-110-4
Yellow, AG Cat	3-242-3	3-242-4	15-242-3	15-242-4	4-242-3	4-242-4
Yellow, Champion	3-240-3	3-240-4	15-240-3	15-240-4	4-240-3	4-240-4
Yellow, Cub	3-143-3	3-143-4	15-143-3	15-143-4	4-143-3	4-143-4
Yellow, Federal	3-139-3	3-139-4	15-139-3	15-139-4	4-139-3	4-139-4
Yellow, J-3 OEM	3-146-3	3-146-4	15-146-3	15-146-4	4-146-3	4-146-4
Yellow, Lemon	3-136-3	3-136-4	15-136-3	15-136-4	4-136-3	4-136-4
Yellow, Lockhaven	3-145-3	3-145-4	15-145-3	15-145-4	4-145-3	4-145-4
Yellow, Orange	3-140-3	3-140-4	15-140-3	15-140-4	4-140-3	4-140-4
Yellow/Orange, Christen Eagle	3-142A-3	3-142A-4	15-142A-3	15-142A-4	4-142A-3	4-142A-4

All items on this page are Price Code 315 unless otherwise noted

Price and availability subject to change without notice. Univair's Toll Free Sales: 1-888-433-5433

PAINT, DOPE, AND FABRIC

UE-820 URETHANE REDUCER



A solvent blend for use in Aero-Thane according to directions on base component listing.

UE-820 URETHANE REDUCER		
DESCRIPTION	QTY.	PART NO.
UE-820 URETHANE REDUCER	QT	6-820-3
UE-820 URETHANE REDUCER	GL	6-820-4

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		
DESCRIPTION	QTY.	PART NO.
SUPERFIL EPOXY FILLER KIT	1 KIT	6-EP-2



ENAMEL HARDENER/GLOSS ADDITIVE

ENAMEL HARDENER/GLOSS ADDITIVE		
DESCRIPTION	QTY.	PART NO.
ENAMEL HARDENER/GLOSS ADDITIVE	1 QT	6-EN-2

UR-826 URETHANE RETARDER



A blend of slow-drying solvents for use in Aero-Thane and urethane varnish to retard the surface drying time. Refer to the directions on the base component listing.

UR-826 URETHANE RETARDER		
DESCRIPTION	QTY.	PART NO.
UR-826 URETHANE RETARDER	QT	6-826-3
UR-826 URETHANE RETARDER	GL	6-826-4

E-2310 ALUMA-DYNE PHOSPHORIC ACID ETCH & BRIGHTENER



An effective all-purpose brush-on, wash-off cleaner, brightener, and paint preparation for all aluminum surfaces. Will clean and remove light oil, natural oxides, weathering stains, and light corrosion while etching to provide a firm primer bond. Restores new aluminum appearance. Concentrated solution - dilute before using.

E-2310 ALUMA-DYNE PHOSPHORIC ACID ETCH AND BRIGHTENER		
DESCRIPTION	QTY.	PART NO.
E-2310 ETCH & BRIGHTENER	QT	6-2310-3

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.

FLATTENER		
DESCRIPTION	QTY.	PART NO.
FLATTENER	QT	6-FL-2
FLATTENER	GL	6-FL-1-3

E-2311 ALUMA-DYNE ETCHING AND BRIGHTENING CREAM



Phosphoric acid etch and brightener. Will not drain from vertical or inverted surfaces. Alternate to E-2310.

E-2311 ETCH & BRIGHTENING CREAM		
DESCRIPTION	QTY.	PART NO.
E-2311 ETCH & BRIGHTENING CREAM	QT	6-2311-3

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.

UV-550 URETHANE VARNISH		
DESCRIPTION	QTY.	PART NO.
UV-550 URETHANE VARNISH	QT (2 Part Kit)	4-550-3
UV-550 URETHANE VARNISH	GAL (2 Part Kit)	4-550-4
UV-550 URETHANE VARNISH KIT	QT KIT	4-550-3K1
UV-550 URETHANE VARNISH KIT	GAL KIT	4-550-4K1

E-2300 ALUMA-DYNE CONVERSION COATING REF: Mil C-81706



A brush-on chromic acid treatment to improve corrosion protection on all aluminum surfaces and to improve primer adhesion.

Aluma-Dyne E-2300 chemically accelerates the formation of the natural passive oxide film (technically a ceramic) on aluminum surfaces to resist galvanic corrosion by blocking any electro-chemical cell. Does not discolor or change the surface appearance. Not harmful if trapped in faying surfaces, and is non-flammable. A concentrated solution. Dilute before using.

E-2300 CONVERSION COAT		
DESCRIPTION	QTY.	PART NO.
E-2300 CONVERSION COAT	QT	6-2300-3

PAINT, DOPE, AND FABRIC



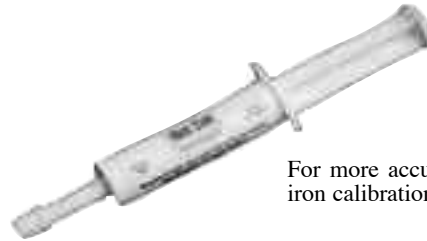
**C-2200 METL-SOL
METAL SURFACE CLEANER**



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

C-2200 MET SOL		
METAL SURFACE CLEANER		
DESCRIPTION	QTY	PART NO
C-2200 METAL CLEANER	QT	7-2200-3

SILICONE HEAT SINK COMPOUND



For more accurate thermal transfer during iron calibration.

HEAT SINK SILICONE COMPOUND		
DESCRIPTION	QTY	PART NO.
HEAT SINK SILICONE COMPOUND	EA	7-2200-4

C-2210 PAINT CLEANING SOLVENT



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.

C-2210 PAINT CLEANING SOLVENT		
DESCRIPTION	QTY	PART NO
C-2210 PAINT CLEANING SOLVENT	QT	7-2210-2

310 ALKALINE CLEANER



An effective, penetrating, general purpose detergent cleaner.

310 ALKALINE CLEANER		
DESCRIPTION	QTY	PART NO.
310 ALKALINE CLEANER	QT	7-310-3
310 ALKALINE CLEANER	GL	7-310-4

**TUBSEAL
INTERNAL TUBING
CORROSION INHIBITOR**



Tubeseal is 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.

TUBSEAL		
DESCRIPTION	QTY	PART NO
TUBSEAL	QT	7-251

**M.E.K.
Methyl Ethyl Ketone**

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



Quart.....	25-MEK-3
Gallon.....	25-MEK-4
5 Gallon.....	25-MEK-5