



Professional Results Without Pain

What is Ceconite?

Ceconite is the name of a family of aircraft fabric covering products, all based upon a **very special polyester fabric** that has become a **major industry standard**.

What's So Special About Ceconite?

In a nutshell...

- It's stronger than Grade A cotton or linen
- It's far more durable than either
- It weathers better and longer than either
- It's easier to use and repair
- Shrinking is predictable and repeatable.

What's That About Shrinking?

Unlike cotton or linen which were shrunk (tautened) by dope, Ceconite is precisely shrunk by *heat*, using a *calibrated* clothing iron. This lets you control the shrinking, giving you unmatched command of the covering process, producing predictably superior results every time. Because calibrated temperatures are important to the shrinking process, however, you shouldn't use a heat gun, which gives you no control.

Is Ceconite Legal for My Airplane?

Unless it's a real oddball, the answer is YES. Ceconite is FAA approved for use on everything **from a Mooney Mite to a DC-3**, plus every experimental you can name. The Ceconite manual includes a complete list.

What Cements Can I use with Ceconite?

Ceconite New Super Seam is the only PMA'd cement used on the Ceconite STC. Do NOT try to use straight nitrate or butyrate dope to attach your Ceconite fabric. Very bad idea.

What Coatings Can I Use?

Randolph Aircraft Products NON-TAUTENING nitrate and butyrate dopes are the only aircraft-grade PMA'd dopes used on the Ceconite STC.

Polyurethane coatings by **Randolph** and **Air Tech** may also be used with Ceconite. Be sure to follow their procedures precisely.

What Ceconite Products Are Available?

TWO CERTIFIED FABRICS, Each 70 Inches Wide,
and **ONE UNCERTIFIED LIGHT FABRIC**, 60 Inches Wide:

- **Ceconite 101** - 70 inches wide, 3.4 oz per square yard. For use in the



Your painted airplane will be drop-dead gorgeous!



Typical Iron with Thermometer



New Super Seam Cement



most extreme service conditions. The most puncture resistant of all our styles. Designed for agricultural aircraft, warbirds, or airplanes that operate in the boonies off unimproved strips. Meets TSO C-15d.

- **Ceconite 102** - 70 inches wide, 2.6 oz per square yard. For use on most aircraft. Good replacement for Grade A cotton. Suited for all fabric covered aircraft not operating in extreme conditions. Meets TSO C-15d.

- **Ceconite Uncertified Light** - 60 inches wide, 1.7 oz per square yard. For covering plywood surfaces on any aircraft and any ultralight aircraft that is not certified.

SURFACE TAPES:

- **Ceconite 102 Pinked Edge Tapes** - Available in widths from 1 to 6 inches, in 25-yard rolls. The 2-inch roll is 50 yards long.

- **Ceconite 102 Straight Edge Tapes** - Available in widths from 1 to 6 inches, in 50-yard rolls.

- **Ceconite Light Pinked Edge Tapes** - Available in widths from 1 to 6 inches, in 25-yard rolls. The 2-inch roll is 50 yards long.

- **Ceconite Bias Tapes** - Available in widths from 2 to 4 inches, in 25-yard rolls. Great for taping curved areas.



Light Tapes



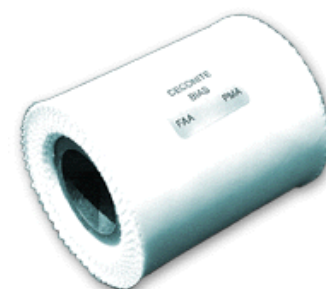
Ceconite Fabrics



C-102 Pinked-Edge Tapes



C-102 Straight-Edge Tape



Bias-Cut Tape



OTHER PRODUCTS:

- **Ceconite Reinforcing Tape** - Helps fabric resist cuts by rib lacing, pop rivets, and PK screws over rib caps. Comes in 1/4", 3/8", 1/2" widths. Polyester, sticky back.

- **Ceconite Anti-Chafe Tape** - Masks and smooths sharp edges or protrusions under fabric from wear or punctures. Comes in 60-yard roll.



- **Ceconite Inter-Rib Bracing Tape** - Stabilizes ribs prior to covering. Comes 1/2" wide on a 36-yard roll.



- **Ceconite Machine Sewing Thread** - For envelopes, sewn seams, and repairs. 10 lb tensile strength, 4-ply thread. 500 yards per spool.



- **Ceconite Hand Sewing Thread** - 15 lb tensile strength, 3-ply thread. 250 yards per spool.



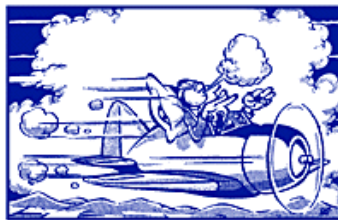
- **Rib Lacing Cord** - Round 4-ply cord, .035", 60 LB strength. 500 yards per spool. The best you can buy.



● **Also Available -**

- Calibration Thermometers
- Inspection Rings & Covers
- Various Blind Rivets

- Self-tapping Screws
- Polyester Padding
- Various Grommets

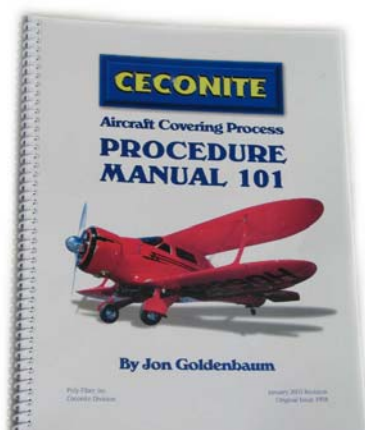


● **Is There a Ceconite Instruction Manual?**

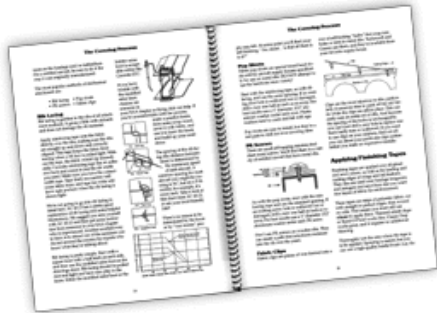
You Bet! We took the original 1958 Ceconite manual and completely rewrote it... in clear plain English with plenty of photos, illustrations, and vintage cartoons. Current Procedure Manual 101 is dated January 2003 Revision. It covers the whole covering process, including:

● **Getting Ready**

- The Goal of This Manual
- This Manual and 43.13
- The Ceconite and Randolph System
- The Basic Rules
- Amateur-Built Aircraft
- Ceconite Fabrics
- Ceconite Finishing Tapes
- Ceconite Markings
- Fabric Cement
- Ceconite STC Number
- Substituting Materials
- Health Issues to Consider
- Fire Prevention



A Practical Work Area
The Tools You'll Need
A Fuselage Holding and Turning Jig
Atmospherics and Spraying
About Spray Guns
Other Things You Should Know



● **The Covering Process**

Surface Preparation
Attaching the Fabric
Tautening the Fabric
Sealing the Fabric Surface
Securing the Fabric to the Wings
Applying Finishing Tapes
Inspection Rings and Drain Grommets
Final Smoothing

● **Applying the Finish**

The Nitrate Coats
The Clear Butyrate Fill Coats
Sanding the Fabric
The Silver Butyrate Coats
The Color Butyrate Coats
Protecting and Rejuvenating the Fabric
Covering Plywood Skins with Fabric
Repairing Damaged Fabric
Painting Aluminum and Fiberglass
How to Apply Ranthane

● **Solving Problems**

Fish Eyes
Dope Roping
Pinholes or Bubbles
Blush
Dope Peeling from Fabric

● **The Ceconite STC Certificate**

● **The Randolph PMA**

● **Ceconite Installation Report**

● **FAA Approved Model List**

● **Materials Estimates**

● **Product Profiles**

● **Index**