



# Composite Panel Checklist Streamlined

Flammability Testing & Certification

## Step 1: General Information

14 CFR Part 25.856(a) or 14 CFR Part 23.856. Please complete checklist for each panel submitted. A completed FAA Form 8130-9 must be included for each panel set submitted unless a Skandia Test Plan is requested.

<b>COMPANY NAME</b>	<b>CONTACT NAME</b>	<b>PURCHASE ORDER</b>
<b>PHONE</b>	<b>FAX</b>	<b>EMAIL</b>

## Aircraft Information

<b>AIRCRAFT MAKE</b>	<b>AIRCRAFT MODEL</b>
<b>AIRCRAFT SERIAL NUMBER</b>	<b>AIRCRAFT TAIL NUMBER</b>

## Step 2: Test Data

**CUSTOMER ASSIGNED PART #**

### TEST DATA IS IN SUPPORT OF:

- Field Approval
- Major Repair & Alteration
- Minor Repair & Alteration
- Supplemental Type Certificate (STC)
- Type Certificate (TC)
- Technical Standard Order (TSO)
- Organization Designation Authorization (ODA)
- Other



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**FAA FORM 8110-3 MAY ONLY BE ISSUED AIRCRAFT SPECIFIC FOR U.S. REGISTERED OR U.S. STATE OF DESIGN AIRCRAFT.**

Please complete a checklist for each panel submitted. A completed FAA form 8130-9, test specimen drawings, and copies of packing slips or invoices providing traceability for each panel component (Nomex, aluminum, foam veneer, leather, fabric, adhesive, etc.) must be included for each panel set submitted.

**WHAT IS THE INSTALLED LOCATION?** (i.e sidewall, floor, dress cover, etc.)

**TYPES OF COMPOSITE TESTS AVAILABLE**

- Horizontal 23.853
- 12-Second Vertical 25.853(a)
- 60 Second Vertical 25.853(a)
- 45 Degree Angle 25.855(d) App F Part 1
- 60 Degree Wire 25.869(a) App F Part 1

**PLEASE INDICATE TYPE OF TESTING PREFERRED**

- Streamlined testing requested (FAA 8130-9 Form required)
- Test Plan Requested
- Unofficial Testing

**DOES SKANDIA HAVE YOUR PERMISSION TO FABRICATE TEST SPECIMENS AND ISSUE FAA 8130-9 FORMS ON YOUR BEHALF?**

Yes      No

## Step 3: Requirements for Specimens to be Tested

### HORIZONTALS, 12- AND 60-SECOND VERTICALS:

- Woven specimens (fabric, carpet, etc.) three strips, 3" x 12" cut from across the roll
- Three strips, 3" x 12" cut from up the roll. Non-woven specimens (leather, vinyl, plastic, foam, etc.) three strips, 3" x 12".
- **45-Degree Angle:** Three specimens, 8½" x 8½".
- **60-Degree Wire:** Three specimens, 34" long.

If edge filler is used, it must be called out on the 8130-9 but should be omitted from both the material list and the composite sketch as it will be eliminated from the test specimens per 14 CFR 25.853 App F Part 1(b)(2).

As required by App F, foam shall be tested in 1/2" thicknesses maximum. If the panel consists of two or more foams glued together, the foam specimens should be two 1/4" (three 1/16", etc.) pieces glued together per AC 25-17 Transport Airplane Cabin Interiors Crash worthiness Handbook or other accepted FAA test method.

**Per FAA Fire Handbook, DOT/FAA/AR-00/12, Chapter 1, Paragraph 1.4.4.1** "For testing purpose where a part is used in several thicknesses, the minimum thickness will be tested."

**Additional reference material:** Advisory Circular AC 25-853-1, AC 21-25A, AC23-2 and Aircraft Materials Fire Test Handbook DOT/FAA/AR-00/12, FAA Policy Statement PS-ANM-25.853.01.

**If Using a Process Specification Callout, A copy of the process specification must be included.**

All tolerances +/- .030"

### ADDITIONAL COMMENTS



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## Step 4: Specimen Information

This section of the form deals with specimens information. For each specimen you are sending, list the material, vendor, part number, and what the sample is to be used for.

### MATRIX FOR PRODUCTION ARTICLES

### CUSTOMER ASSIGNED PART #

Please list each material in sequential order as layer

Item #	Item Type <small>(material)</small>	Item Description <small>(vendor, PN)</small>	PO#
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### COMPONENTS ARE BONDED WITH?

Certification for Part 27 & Part 29 Rotorcraft(helicopter), Part 23 Normal and Commuter Category is also available.

All work accomplished in accordance with Skandia Inc work instructions FL 101-01 through FL 104-01.