



# Radiant Panel Checklist

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>

### PLEASE INDICATE TYPE OF TESTING PREFERRED

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

### CUSTOMER ASSIGNED PART NUMBER

## Step 2: Test Data

### TEST DATA IS IN SUPPORT OF:

An FAA form 8110-3 may only be issued aircraft specific for U.S. registered or U.S. state of design aircraft.

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

### FAA PROJECT # (IF APPLICABLE)

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

Yes No



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## Step 3: Testing Information

The test description in Part VI of Appendix F Part 25 uses a radiant panel with an ignition source to measure the tendency of thermal/acoustic insulation to propagate a fire. The test requires consideration of two parameters as pass/fail criteria: flame propagation and flame time after removal of the ignition source.

There is an important distinction between “flame propagation”, as assessed by this requirement, and “burn length”, as measured in the tests description in Part 1 of Appendix F. The radiant panel test is to measure the actual propagation of a flame along the test specimen and must be observed as it is happening during a test. Burn length can be determined by inspecting a test specimen after a test is conducted. Burn length includes charring and consumption of the materials, regardless of whether flaming is evident.

Radiant Panel testing requires 3 test specimens. Specimen dimensions should be:

**Flexible Materials:** 12.5" x 23"

**Rigid Materials:** 11.5" x 23" (including materials that will self-adhere to aluminum)

**Hook & Loop:** 4" x 12"

Please refer to the Radiant Panel FAQ section of the guidelines for additional information.

Other reference material and specimen fabrication details may be located in Advisory Circular 25-856-1 on the FAA Regulatory and Guidance Library website [www.rgl.faa.gov](http://www.rgl.faa.gov).

Please fill out all fields below, all fields are required.

### HOW IS IT BEING INSTALLED (TAPE, FASTENERS, ETC)

### WHERE IS THE MATERIAL BEING INSTALLED IN THE AIRCRAFT

**IF MATERIAL IS DIFFERENT ON EACH SIDE, PLEASE INDICATE WHICH SIDE WILL BE EXPOSED TO A POSSIBLE FLAME SOURCE.**

### ADDITIONAL COMMENTS



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## Step 4: Radiant Panel Build-Up

### MATERIAL LIST

Packing Lists or Invoices must be supplied as traceability for all items

Item #	Item Type <small>(materials)</small>	Item Description <small>(vendor part #)</small>	PO#
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### COMPONENTS ARE BONDED WITH?