



Radiant Panel Checklist

14 CFR Part 25.856(a) or 14 CFR Part 23.856

FLAMMABILITY RADIANT PANEL CHECKLIST

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.

Please indicate type of testing preferred:

- _____ a) Streamlined testing requested (FAA 8130-9 Form required) SPECIMEN # _____
- _____ b) Test Plan requested _____ d) Stock Testing
- _____ c) Unofficial testing

COMPANY NAME			
CONTACT NAME		PO NUMBER	
PHONE #		E-MAIL	
AIRCRAFT MAKE	MODEL	S/N	TAIL
Test Data is in support of:			
<input type="checkbox"/> 1) Supplemental Type Certificate (STC)		<input type="checkbox"/> 2) ODA Organization Designation Authorization	
<input type="checkbox"/> 3) Technical Standard Order (TSO)		<input type="checkbox"/> 4) 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			

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

GENERAL INFORMATION ABOUT TESTING: 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.

Please refer to the Skandia, Inc. website www.skandiainc.com, Radiant Panel FAQ sheet 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 web site www.rgl.faa.gov.

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

Flexible Materials: 12.5"x 23" Test w/Aluminum or Rigid Materials: 11.5"x 23" Hook & Loop: 4"x 12"

If material is different on each side, please indicate which side will be exposed to a possible flame source:

If an "oriented" material is being used, how is it being installed (hose clamps, cable ties, tape, hook and loop fastener, etc.)?

Where is the material being used in the aircraft?

ADDITIONAL COMMENTS:



Radiant Panel Checklist

14 CFR Part 25.856(a) or 14 CFR Part 23.856

RADIANT PANEL BUILD-UP

MATERIAL LIST

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

ITEM NO.	ITEM TYPE	ITEM DESCRIPTION	P.O. NUMBER
EXAMPLE 1	PANEL	.125" ABC Company, aluminum panel	01-2345
EXAMPLE 2	INSULATION	.25" XYZ Corp., insulation	98765

ITEM NO.	SKETCH OF RADIANT PANEL BUILD-UP
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Components Bonded with:

All work accomplished in accordance with Skandia, Inc. Work Instructions FL130-01 through FL130-02.