OSU Heat Release and Smoke Emission
Flammability Testing & Certification

NOTE: SAVE PDF DOCUMENT BEFORE AND AFTER COMPLETING

Step 1: General Information

Please enter all the general information and aircraft fields below. All fields are required.

COMPANY NAME   **CONTACT NAME**   **PURCHASE ORDER**

PHONE   **FAX**   **EMAIL**

DATE SENT

Aircraft Information

AIRCRAFT MAKE   **AIRCRAFT MODEL**

AIRCRAFT SERIAL NUMBER   **AIRCRAFT TAIL NUMBER**

Step 2: Test Data

SEATS TO BE TESTED

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

WHERE IS THE MATERIAL BEING INSTALLED?   **TEST SPECIMEN #**

FAA PROJECT # (IF APPLICABLE)

FAA Form 8110-3 may only be issued aircraft specific for U.S. registered or U.S. state of design aircraft using 14 CFR regulations only

Step 3: Type of Testing Required

Please select each type of testing that you require.

HEAT RELEASE

14 CFR 25.853 (d) App F Part IV

Airbus AITM 2.0006

Boeing BSS 7322

SMOKE EMISSION

14 CFR 25.853 (d) App F Part V

Airbus AITM 2.0007

Boeing BSS 7338

AITM 2.0008

A - 16 Minute

B - 4 Minute

TOXICITY

Airbus AITM 3.0005

Boeing BSS 7239

FOR SMOKE DENSITY & TOXICITY TESTING, DO YOU REQUIRE BOTH FLAMING & NON-FLAMING?

Yes   No

Step 4: Material Submissions

Test plan process does not begin until all materials and paperwork have been received.
Heat Release panel surfaces must measure 5.94" x 5.94" each. All tolerances +/- .060".
Smoke Emission and Toxicity panel surfaces must measure 2.9" x 2.9" each. All tolerances +/- .060".

For each test, a minimum of four (4) test specimens are required if the material to be tested is non-woven and a minimum of eight (8) test specimens are required if the material to be tested is woven. Please designate warp & fill.

As required by Appendix F, the thickness of the specimen for Heat Release testing must be the same as that of the aircraft component it represents up to a maximum thickness of 1.75". Test specimens representing thicker components must be 1.75".

As required by the Aircraft Materials Fire Test Handbook, the thickness of the specimen for Smoke Emission (Toxicity) testing will be the same thickness as the thickness of the part/construction.

Other reference material: CFR 14 and Aircraft Materials Fire Test Handbook DOT/FAA/AR-00/12.

If using a Process Specification callout, a copy of the Process Specification form must be included.

ADDITIONAL COMMENTS

Step 5: Panel Build-Up

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

MATRIX FOR PRODUCTION ARTICLES

Item #	Item Type (material)	Item Description (vendor, PN)	P.O. #

COMPONENTS BONDED WITH: