



# OSU Heat Release and Smoke Emission (Toxicity) Panel Checklist

## HEAT RELEASE & SMOKE EMISSION PANEL CHECKLIST FOR SPECIMEN # \_\_\_\_\_

Test Plan Requested  Data Sheets Only

Please complete checklist for each panel submitted.

A completed FAA Form 8130-9 must be included for each panel set submitted.

COMPANY NAME			
CONTACT NAME		PO NUMBER	
PHONE #		E-MAIL	
AIRCRAFT MAKE		MODEL	S/N
TAIL			
FOR USE WHERE			
TEST DATA IS IN SUPPORT OF:      1) FIELD APPROVAL;      2) MAJOR REPAIR & ALTERATION; 3) MINOR REPAIR & ALTERATION;      4) SUPPLEMENTAL TYPE CERTIFICATE (STC);      5) TYPE CERTIFICATE (TC); 6) TECHNICAL STANDARD ORDER (TSO)			

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.**

### TYPE OF TESTING REQUESTED (CHECK ONE)

<b>#1</b>	Heat Release <input type="checkbox"/>	14 CFR 25.853 (d) App F Part IV <input type="checkbox"/>	Airbus AITM 2.0006 <input type="checkbox"/>	Boeing BSS 7322 <input type="checkbox"/>
	Smoke Emission <input type="checkbox"/>	14 CFR 25.853 (d) App F Part V <input type="checkbox"/>	Airbus AITM 2.0007 <input type="checkbox"/>	Boeing BSS 7238 <input type="checkbox"/>
<b>#2</b>			AITM 2.0008 <input type="checkbox"/>	A-16 Minute <input type="checkbox"/>
<b>#3</b>	Toxicity <input type="checkbox"/>		Airbus AITM 3.0005 <input type="checkbox"/>	Boeing BSS 7239 <input type="checkbox"/>

For Smoke Density & Toxicity testing, do you require both Flaming & non-Flaming?  Yes  No

Heat Release panel surfaces must measure 5.94" x 5.94" each. All tolerances +0 / - .06".

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:**



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PANEL BUILD-UP			
MATERIAL LIST			
ITEM NO.	ITEM TYPE	ITEM DESCRIPTION	P.O. NUMBER
EXAMPLE 1	PANEL	.50" ABC Co., P/N 012345 Aluminum Honeycomb	01-2345
EXAMPLE 2	VENEER	.030" XYZ Corp., Walnut Burl	98765
ITEM NO.	SKETCH OF COMPOSITE BUILD-UP		
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<b>Components Bonded with:</b>			

All work accomplished in accordance with Skandia, Inc. Work Instructions FL101-01 through FL104-01.