

(as published 01 May 1972 – refer to FAA’s Regulatory and Guidance Library for current regulations)

Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES
Subpart D--Design and Construction Fire Protection

Sec. 25.853

Compartment interiors.

Materials (including finishes, if applied) used in each compartment occupied by the crew or passengers (other than materials such as wire insulation, conduit, plastic material in "black boxes", rub strips, pulleys, and small nonmetallic materials that are located behind interior walls or above interior ceilings) must meet the following test criteria, as applicable:

(a) Except as provided in paragraph (b) of this section, interior wall panels, interior ceiling panels, draperies, structural flooring, baggage racks, partitions (including wind screens), thermal insulation, light cover transparencies in panel form, and coated fabric insulation covering must be self-extinguishing after flame removal when tested in accordance with the applicable portions of Appendix F of this part or the applicable portions of Methods 5902 and 5906, dated May 15, 1951, or Federal Specification CCC-T-191b (which is available from the General Services Administration, Business Service Center, Region 3, Seventh and D Streets SW., Washington, D.C. 20407), or other approved equivalent method. All materials used in these applications must be tested vertically. If the material is tested vertically as a fabricated unit, a section of that fabricated unit must also be tested horizontally. The average char length may not exceed 8 inches when the material is tested vertically, and may not exceed 4 inches when the material is tested horizontally. Layered materials may not be separated for the purpose of this test.

(b) Thermoplastic window frames, clip-in trim strips, light reflectors, speaker cones, decompression grills, window transparencies, light cover transparencies not in panel form, ducting, edge-lighted instrument panels made from MIL-P-5425c finish sheet A or from L-P-380a, Type II, Class 3 methacrylate molding plastic, and any other interior materials not specified in paragraph (a) of this section must be at least flame resistant when tested horizontally under the applicable portions of Appendix F of this part, or the applicable portions of Method 5906, dated May 15, 1951 of Federal Specification CCC-T-191b, or other approved equivalent method. Layered materials may not be separated for the purpose of this test.

(c) Each compartment where smoking is to be allowed must have self-contained, removable, ash trays, and each other compartment must be placarded against smoking;

(d) Each receptacle for towels, paper, or waste must be at least fire resistant and must have means for containing possible fires;

[(e) There must be at least one hand fire extinguisher conveniently located in the pilot compartment.]

(f) There must be at least the following number of hand fire extinguishers conveniently located in passenger compartments:

<i>Passenger capacity:</i>	<i>Minimum number of hand fire extinguishers</i>
7 through 30	1
31 through 60	2
61 or more	3