Federal Aviation Administration, DOT

§ 29.853

Compartment interiors.

For each compartment to be used by the crew or passengers—

(a) The materials (including finishes or decorative surfaces applied to the materials) must meet the following test criteria as applicable:

(1) Interior ceiling panels, interior wall panels, partitions, galley structure, large cabinet walls, structural flooring, and materials used in the construction of stowage compartments (other than underseat stowage compartments and compartments for stowing small items such as magazines and maps) must be self-extinguishing when tested vertically in accordance with the applicable portions of appendix F of Part 25 of this chapter, or other approved equivalent methods. The average burn length may not exceed 6 inches and the average flame time after removal of the flame source may

<table>
<thead>
<tr>
<th>Passenger seating capacity</th>
<th>Minimum main passenger aisle width</th>
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</thead>
<tbody>
<tr>
<td>10 or less</td>
<td>12 inches from floor (inches)</td>
</tr>
<tr>
<td>11 through 19</td>
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1 A narrower width not less than 9 inches may be approved when substantiated by tests found necessary by the Administrator.

§ 29.833 Heaters.

Each combustion heater must be approved.

§ 29.851 Fire extinguishers.

(a) Hand fire extinguishers. For hand fire extinguishers the following apply:

(1) Each hand fire extinguisher must be approved.

(2) The kinds and quantities of each extinguishing agent used must be appropriate to the kinds of fires likely to occur where that agent is used.

(3) Each extinguisher for use in a personnel compartment must be designed to minimize the hazard of toxic gas concentrations.

(b) Built-in fire extinguishers. If a built-in fire extinguishing system is required—

(1) The capacity of each system, in relation to the volume of the compartment where used and the ventilation rate, must be adequate for any fire likely to occur in that compartment.

(2) Each system must be installed so that—

(i) No extinguishing agent likely to enter personnel compartments will be present in a quantity that is hazardous to the occupants; and

(ii) No discharge of the extinguisher can cause structural damage.

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