



# COMMERCIAL TESTING COMPANY

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Report Number 05-04197

Test Number 3670-5831

April 11, 2005

## 12-Second Vertical Flammability Test

### Applicable Documents:

#### Regulation:

- Title 14 Code of Federal Regulations, Part 25, *Airworthiness Standards: Transport Category Airplanes*, January 1, 2005, Edition, Paragraph 25.853 Compartment Interiors, Subparagraph 25.853(a)

#### Material Test Criteria:

- 14 CFR Part 25, Appendix F, Part I, § (a)(1)(ii)

#### Test Procedures:

- 14 CFR Part 25, Appendix F, Part I, § (b)(1) Conditioning
- 14 CFR Part 25, Appendix F, Part I, § (b)(2) Specimen Configuration
- 14 CFR Part 25, Appendix F, Part I, § (b)(3) Test Apparatus
- 14 CFR Part 25, Appendix F, Part I, § (b)(4) Vertical Test
- 14 CFR Part 25, Appendix F, Part I, § (b)(8) Burn Length

### Material Tested:

Identification: Aeroclad AF33/1499

Type Material: PVC Sheet Flooring

Color: EEL Blue

Lot Number: 05-005430

Nominal Thickness: 1 mm

### Test Requirements:

The average Burn Length shall not exceed 8 inches, the average Flame Time shall not exceed 15 seconds, and Flaming Drippings shall not continue to burn for more than 5 seconds average after reaching the floor of the test cabinet.

### Test Result:

Specimen	Flame Application	Length Direction			Width Direction		
		Flame Time	Burn Length	Flaming Drippings	Flame Time	Burn Length	Flaming Drippings
1	12	1	2.4	0	0	2.3	0
2	12	0	2.3	0	2	2.7	0
3	12	0	2.6	0	0	2.6	0
Average		0.3	2.4	0.0	0.6	2.5	0.0

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(Authorized Signature)

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