

Our Ref: SW/LS

16 December 2020

**Report 369478**

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Chieftain Fabrics  
Fair Green  
Trim  
Co. Meath  
Ireland

Contact: Emily Anderson

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DATE RECEIVED	:	10 DECEMBER 2020
DATE TESTED	:	16 DECEMBER 2020
QUALITY REFERENCE	:	CHIEFTAIN
SUPPLIER	:	CHIEFTAIN FABRICS
REPUTED FIBRE CONTENT	:	100% PVC
COLOUR / DESIGN	:	COBALT
FABRIC DESCRIPTION	:	KNITTED/COATED
END-USE	:	UPHOLSTERY
ORDER NUMBER	:	EMILY

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REQUEST: CS 25 853 Appendix F Part I Certification Specifications and Acceptable Means of Compliance for Large Aeroplanes - Interior compartments (Vertical Test)

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RESULT: When tested as described the sample meets the flammability performance requirements of CS 25 853 Appendix F Part I(a)(ii)

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**CS 25 853 Appendix F Part I Certification Specifications and Acceptable Means of Compliance for Large Aeroplanes - Interior compartments (Vertical Test)**

**Conditioning**

The samples of Cobalt Chieftain were conditioned in a standard atmosphere of  $21.1 \pm 3$  °C and 50 + 5 % relative humidity for a period of not less than 24 hours prior to test. Samples were tested in their original (as received) condition.

**Requirements:**

According to Appendix F Part I (a) (ii) ‘Floor coverings, textiles (including draperies and upholstery), seat cushions, padding, decorating and non-decorated coated fabrics, leather, ... must be self-extinguishing when tested vertically in accordance with the applicable portions of Part I of this appendix or other approved equivalent means. The average burn length may not exceed 20 cm (8 inches), and the average flame time after removal of the flame source may not exceed 15 seconds. Drippings from the test specimen may not continue to flame for more than an average of 5 seconds after falling.’

**Results**

Duration of flame application: 12 seconds

Length / Warp Direction

Specimen	Burn time, s	Burn length, mm	Dripping time, s
1	1.9	104	0
2	1.2	103	0
3	1.1	98	0
Mean	1.4	101.6	0

Width / Weft Direction

Specimen	Burn time, s	Burn length, mm	Dripping time, s
1	1.1	99	0
2	0.9	112	0
3	1.4	101	0
Mean	1.1	104	0

**Comments:**

When tested as described the sample meets the flammability performance requirements of CS 25 853 Appendix F Part I(a)(ii)

