



AMERICAN FLAMECOAT INC.

520 Eagleton Downs Drive - D
Pineville, NC 28134
O: 704.405.2550
F: 704.543.9772
www.americanflamecoat.com

thesign / AG
NEUSEELAND 32
9404 RORSCHACHERBERG
SWITZERLAND

Pattern: MIRAGE 11134 – treated with FLAMECOAT
Report No.: 95823
Date: February 23, 2021

TEST RESULTS

NATIONAL FIRE PROTECTION ASSOCIATION STD.701-2019 – TEST 1 Small Scale

Specimen	Residues (seconds)	Weight loss (%)
1	0.0	19.88
2	0.0	21.41
3	0.0	20.79
4	0.0	19.43
5	0.0	17.16
6	0.0	18.08
7	0.0	19.55
8	0.0	17.63
9	0.0	16.49
10	0.0	17.97
Average	0.0	18.84

Results: The Above Tested Material **Meets the Requirement**

Requirements:

Average percent weight loss can-not exceed 40% and any individual Specimen can-not exceed mean value plus three standard deviations.

Residue Flame:

Shall not continue to flame after reaching the floor of the tester for more than an average of two seconds per specimen for the sample of 10 specimens.

Sincerely,

Brad Souffrant
President



Global FR, Fibercare Stain, Knit-backing, Increase double rubs & Anti-microbial treatment



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Reference: Laboratory Test Report - 95823

One (1) fabric sample, identified as thesign / AG – MIRAGE 11134 – treated with FLAMECOAT, was received and tested in accordance with IMO FTPC-2010; International Code for Application of Fire Test Procedures Resolution MSC.307 (88) Annex I - Fire Test Procedures, Part 7 - Test for Vertically Supported Textiles and Films, “The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazards of the product in use.”

The sample submitted was tested in accordance with Section 6; Test Procedure; sub-sections 6.1-6.4. The results are as follows:

Flame Determination – Warp

Surface Face	Sustained Flaming (Y/N)	Char Length (mm)	Edge	Sustained Flaming (Y/N)	Char Length (mm)
5 sec.	Y	11	5 sec.	N	10
15 sec.	Y	19	15 sec.	N	21*

Flame Determination – Fill

Surface Face	Sustained Flaming (Y/N)	Char Length (mm)	Edge	Sustained Flaming (Y/N)	Char Length (mm)
5 sec.	N	12	5 sec.	N	19
15 sec.	N	20	15 sec.	N	23*

***DENOTES WORST TESTING CONDITION**



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Test Results

		Specimen	Flame Reached Edge (Y/N)	Ignition of Cotton/Wool (Y/N)	Surface Flash (mm)	Afterflame (sec)	Char Length (mm)
<u>Warp</u>	15 Sec. Edge	1	N	N	0	0	31
		2	N	N	0	0	29
3		N	N	0	0	27	
4		N	N	0	0	32	
5		N	N	0	0	31	
Average					0	30	

		Specimen	Flame Reached Edge (Y/N)	Ignition of Cotton/Wool (Y/N)	Surface Flash (mm)	Afterflame (sec)	Char Length (mm)
<u>Fill</u>	15 Sec. Edge	1	N	N	0	0	37
		2	N	N	0	0	34
3		N	N	0	0	38	
4		N	N	0	0	33	
5		N	N	0	0	36	
Average					0	36	

The sample submitted **meets** the minimum requirements of the above standard. The afterflame time cannot exceed 5 seconds for any specimen. There can be no flame propagation to the edges for any specimen and no ignition of the cotton wool. Average char length cannot exceed 150mm and there can be no occurrence of a surface flash more than 100mm from the point of ignition.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brad Souffrant
American Flamecoat, Inc.