



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: THE SIGN - ARTICLE FAYE - 30681
Report No.: 90518
PO#: FAYE
Date: November 21, 2018

TEST RESULTS

NATIONAL FIRE PROTECTION ASSOCIATION STD.701-2015 – TEST 1 Small Scale

Specimen	Residues (seconds)	Weight loss (%)
1	0	6.24
2	0	5.47
3	1.2	4.88
4	0	7.64
5	0	6.83
6	0	7.54
7	2.5	6.21
8	0	4.99
9	0	5.91
10	0	6.58
Average	0.37	6.229

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



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

FLAMMABILITY TEST CERTIFICATE – 43286-1

COMPANY DETAILS: thesignAG
Neuseeland 32
9404 Rorschacherberg

CONTACT NAME(S): Marina Bonifacio
TEL: 0041718586864
EMAIL: m.bonifacio@thesign-textiles.com

DATE RECEIVED: 28/06/2017
DATE TESTED: 05/07/2017
DATE ISSUED: 05/07/2017
PO NUMBER: NOT STATED

SAMPLE DESCRIPTION: FAYE - MOHAIR VELVET
COLOUR: NOT STATED
QUALITY/BATCHREF: 30681
MODEL REF: NOT STATED
COMPOSITION: PILE: 100%WM; OVERALL: 62%WM, 29%CO, 9%PL
SAMPLE END USE: NOT STATED
MANUFACTURER: NOT STATED
SUPPLIER/BUYER: NOT STATED

SPECIFICATION/REQUIREMENT:

Schedule 4 Part 1 (The Cigarette test) & Schedule 5 Part 1 (The Match test) of The Furniture & Furnishings (Fire) (Safety) Regulations 1988 (as amended). S.I. 1324.

TEST METHOD:

BS 5852 Part 1: 1979 (Modified) – Methods of test for the ignitability by smokers' materials of upholstered composites for seating.

PRE-TREATMENT:

Sample tested as received.

CONDITIONING:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at $20 \pm 5^{\circ}\text{C}$ and $50 \pm 20\%$ r h.

Authorised By:



Zeb Alam
Operations Director

Mark Jones
Quality Manager

Karen Brooks
Managing Director

FLAMMABILITY TEST CERTIFICATE – 43286-1

TEST RESULTS:

“The Following test results relate only to the ignitibility of the combination of the materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.”

TEST CRITERIA – SCHEDULE 4 PART 1 (CIGARETTE TEST)	INITIAL TEST	REPEAT TEST
FILLING MATERIAL USED:	AS SPECIFIED IN THE F&F REGULATIONS	
Cigarette ceased smouldering within (Min(s))	21.36	21.02
PROGRESSIVE SMOULDERING CRITERIA (9.2)		
Progressive smouldering and/or flaming observed within one hour of the placement of the cigarette?	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>
FLAMING CRITERIA (9.3)		
Cover Split?	Y	Y
TEST RESULT	PASS	PASS

TEST CRITERIA – SCHEDULE 5 PART 1 (MATCH TEST)	INITIAL TEST	REPEAT TEST
FILLING MATERIAL USED:	AS SPECIFIED IN THE F&F REGULATIONS	
Flaming duration:	0	0
PROGRESSIVE SMOULDERING CRITERIA (9.3)		
Progressive smouldering and/or flaming observed within one hour of the removal of the flame?	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>
FLAMING CRITERIA (9.3)		
Flaming continued for more than 120 seconds after the removal of the burner?	N	N
TEST RESULT	PASS	PASS

CONCLUSION:

The sample supplied **meets** the requirements of Schedule 4 Part 1 (The Cigarette test) & Schedule 5 Part 1 (The Match test) of The Furniture & Furnishings (Fire) (Safety) Regulations 1988 (as amended) S.I.1324

END OF REPORT



TEST REPORT

Client: The Sign AG
 Neuseeland 32
 9404 Rorschacherberg
 Switzerland

Entry No: 109216

Date received: 09/04/2019

Client's Description: Fabric: Faye 30681

Test Required: Flammability BS 7176 Medium Hazard

Pre-treatment: None

Conditioning: A minimum of 24 hours at 50+/-5% Relative Humidity, 23+/-2°C

Date Tests Completed: 26/04/2019

Method of Test: BS EN 1021-1: 2006 – smouldering cigarette
 BS EN 1021-2: 2006 – match flame equivalent

Ignition Source	Observations	Result
Smouldering cigarette	No flaming or progressive smouldering was observed within one hour of placement of the cigarettes.	Pass
Match flame equivalent	Flaming ceased within the specified two minute period after removal of the butane flame and no progressive smouldering occurred.	Pass

Note: A 35 kg/m³ CMHR Foam which meets the requirements of Annex A of BS 7176 was used as the filling

The above tests relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

-----End of Page-----

This is hereby certified to be a correct return of the tests made of the items referred to herein



Daniel Young
 Senior Technologist
 03 May 2019

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
- ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- ❖ Uncertainty budgets for test methods contained within this report are available on request.
- ❖ The results have been obtained for the above test are due to the allowances that have been made based on the uncertainty of the measurement for this test and its associated measurements.

This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.





Client: The Sign AG

Entry No: 109216

Method of Test: BS 5852 : 2006 Clause 11 (composites)

Pre-treatment: None

Conditioning: A minimum of 96 hours at 50+/-5% Relative Humidity, 23+/-2°C

Date Tests Completed: 30/04/2019

The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the materials in use.

Ignition Source	Observations	Result
5 (Wood Crib)	Flaming ceased within the specified ten minute period after ignition of the crib and no progressive smouldering occurred.	Pass

Note: A 35 kg/m³ CMHR Foam which meets the requirements of Annex A of BS 7176 was used as the filling

Comments

BS 7176: 2007 + A1: 2011 relates to labelling of furniture. If an item of furniture was manufactured from a composite of the fabric and foam tested above then it would **comply** with the medium hazard category flammability requirements provided that it was tested every 2.500 units or once per month as required by Para 5 of BS 7176.

-----End of Document-----



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November 4, 2020

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NEUSEELAND 32
9404 RORSCHACHERBERG
SWITZERLAND

Reference: Flammability Test Report: 94486

One (1) fabric sample identified as thesign/AG – FAYE 30681 - treated with Flamecoat was received and tested in accordance with the California Technical Bulletin 117-2013, Section 1, Cover Fabric Test. The results are as follows:

<u>Test Results</u>		
Vertical Char Lengths		
6mm	9mm	7mm

The sample **meets** the requirements of the above standard. There were no ignitions or smoldering after 45 minutes on any of the three (3) specimens tested. In addition, none of the of the three test specimens displayed a char which was equal to or greater than 45mm.

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

Sincerely,

Brad Souffrant
President





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November 4, 2020

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NEUSEELAND 32
9404 RORSCHACHERBERG
SWITZERLAND

Reference: Laboratory Test Report - 94486

One (1) fabric sample, identified as thesign / AG – FAYE 30681 – TREATED WITH FLAMECOAT, was received and tested in accordance with IMO 2010 FTP CODE - International Code for Application of Fire Test Procedures - Resolution MCS.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture, “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.” Testing was performed using a non-flame-retardant polyurethane foam with a density of 22 kg/m³.

The sample submitted was tested to Section 3.2 Propane Flame Test. The results are as follows:

Test Results

Ignition Source

#1 PASS (No flaming or progressive smoldering)

Propane Flame

#2 PASS (No flaming or progressive smoldering)

The sample submitted **meets** minimum requirements of the above standard when tested to the propane ignition source.

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

Sincerely,

Brad Souffrant
American Flamecoat, Inc.

