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RENDERED TO:

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PRODUCT EVALUATED: 100% Cotton Tent canvas with Flame Safe Fabric Safe
EVALUATION PROPERTY: NFPA 701-2015, METHOD 2
STANDARD METHODS OF FIRE TESTS FOR FLAME
PROPAGATION OF TEXTILES AND FILMS with a Flat Sheet (Section 13.1.3)

Report of Testing 100% Cotton Tent canvas with Flame Safe Fabric Safe for compliance with the applicable requirements of the following criteria: NFPA 701-2015, METHOD 2 Standard Methods of Fire Tests for Flame Propagation Of Textiles and Films for Flat Sheets (Section 13.1.3)

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FLAME SAFE

2 Introduction

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 100% Cotton Tent canvas with Flame Safe Fabric Safe to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015, Method 2 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films for Flat Sheets (See section 13.1.3). This evaluation began October 5, 2017 and ended October 5, 2017.

3 Test Samples

3.1. SAMPLE SELECTION

Samples were submitted to Intertek directly from the client. Samples were not independently selected for testing. Samples were received at the Evaluation Center on October 2, 2017 in good condition.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

Sample Name: 100% Cotton Tent canvas with Flame Safe Fabric Safe
Sample Description: 100% cotton tent canvas (duct) fire retardant treated with Flame Safe Fabric Safe sprayed on at 200 Square feet per gallon (coverage rate)

The test specimens were cut into 5.25 in. by 47.75 in. samples by the client. All samples were conditioned in an oven at $105^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for no less than 1 hour but no more than 3 hours before testing.

Test room conditions: 70°F and 40.6% R.H.

4 Testing and Evaluation Methods

4.1. TEST STANDARD 1

Ten specimens of material 5.25 inches by 47.25 inches were cut with their long dimension parallel to the length direction ("with" machine). Specimens were removed from the oven one at a time and tested immediately. The specimens were supported with clips in a three-sided vertical column and exposed to an 11" flame for two minutes. The flame impinged approximately 7 inches on the specimen.

No specimen should continue flaming for more than two seconds. Length of char should not exceed 17.1 inches from the bottom edge of the specimen for Flat Sheets (See section 13.1.3). No flaming on floor of apparatus should last longer than two seconds.

4.2. Deviation from Standard Method

No deviations from the standard.

5 Testing and Evaluation Results

5.1. RESULTS AND OBSERVATIONS

Equipment: Oven #1200, Stopwatch #1221, Scale #1396, Test Cabinet #1203

Specimen	After Flame Duration (sec)	Floor Flaming (sec)	Char Length (in)
1	0	0	10.1
2	0	0	9.5
3	0	0	7.8
4	0	0	8.1
5	0	0	9.1
6	0	0	8.7
7	0	0	8.3
8	0	0	7.4
9	0	0	7.5
10	0	0	6.3
Average	0	0	8.28

	Specimen 1	Specimen 2	Specimen 3
Weight (g)	7.99	7.94	7.78
Length (mm)	100	100	100
Width (mm)	100	100	100
g/m ²	799	794	778
		Average	790.33

Observations:

This sample passed the criteria for NFPA 701-2015 method 2 for flat sheets (see section 13.1.3)

6 Conclusion

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 100% Cotton Tent canvas with Flame Safe Fabric Safe to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015, Method 2 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films for flat sheets (See section 13.1.3).

The sample PASSED the testing criteria for NFPA 701-2015, Method 2 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films for flat sheets (See section 13.1.3).

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

INTERTEK

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7 Revision Summary

DATE	SUMMARY
October 5, 2017	Original Report