



TEST REPORT

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PRODUCT EVALUATED: 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe
EVALUATION PROPERTY: Ignition Characteristics of Finished Textile Floor Covering Systems

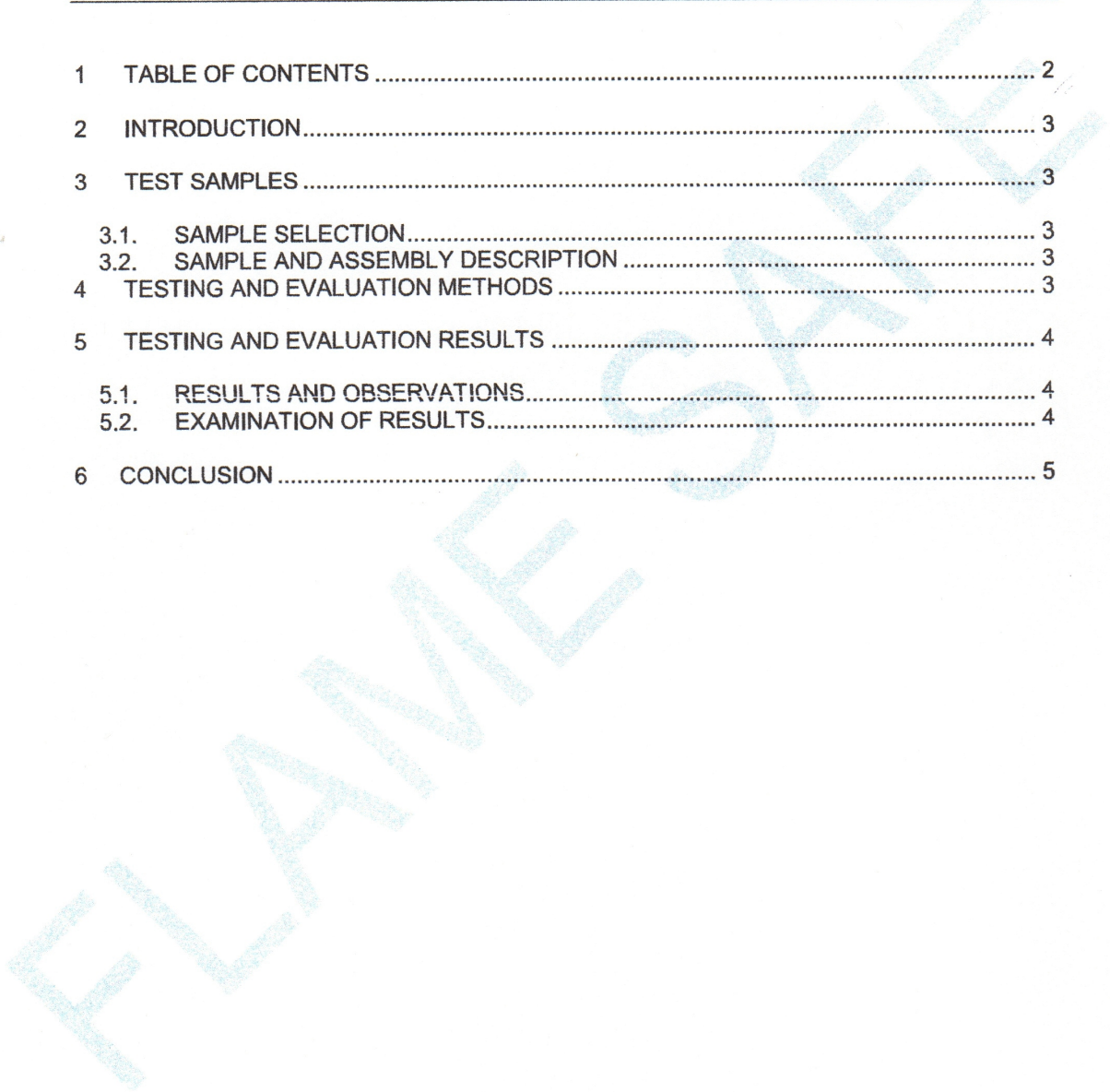
Report of Testing 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe for compliance with the applicable requirements of the following criteria: ASTM D2859-2016; Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Systems

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2 INTRODUCTION

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe to evaluate ignition characteristics. Testing was conducted in accordance with ASTM D2859-2016, following the Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Systems. This evaluation began October 3, 2017 and was completed October 4, 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: 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe
Sample Description: 75% cotton/25% jute carpet fire retardant treated with Flame Safe Fabric Safe sprayed on at 200 square feet per gallon (coverage rate)

Samples were cut to approximately 9" x 9" by the client.

Samples are preconditioned at 70±2°F and 65% till equilibrium is reached. This is followed by conditioning in an oven at 105 ± 2°C for 2 hours and then transferred to a desiccator for at least 1 hour to cool down prior to testing.

4 TESTING AND EVALUATION METHODS

After conditioning samples are removed from desiccator and placed in the test fixture with a steel plate on top. The methenamine tablet is placed flat in the center of the test area and lit. Sample is observed and allowed time for propagated flame to burn out or burn until flame or glowing reaches the edge of the hole in the steel frame. Test is terminated after either of the above conditions is reached.

A single specimen has passed the test if the charred portion of the tested specimen shall not extend to within 25.6 ± 0.5 mm [1.0 in.] of the edge of the hole in the steel frame at any point.

The acceptance criterion of this standard requires that at least seven out of eight individual specimens have passed the test,

5 TESTING AND EVALUATION RESULTS

5.1. RESULTS AND OBSERVATIONS

Specimen	Specimen Dimensions (mm)	Initial Mass (g)	Mass after Oven (g)	% of Moisture
1	240 x 240	149.62	144.45	3.46
2	230 x 230	148.95	145.98	1.99
3	235 x 235	167.71	164.76	1.76
4	230 x 230	154.87	150.50	2.82
5	260 x 235	162.70	158.06	2.85
6	224 x 233	144.08	139.48	3.19
7	245 x 225	167.56	162.77	2.86
8	223 x 235	147.76	143.28	3.03
Average				2.75

Specimen	Did the sample have char within 25 ± 0.5mm of the edge of the hole in the flattening frame?	Distance between char and edge of frame (mm)
1	N	92
2	N	95
3	N	107
4	N	99
5	N	98
6	N	98
7	N	108
8	N	100

5.2. EXAMINATION OF RESULTS

Eight specimens of 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe have met the criteria of ASTM D2859.

6 CONCLUSION

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe to evaluate ignition characteristics. Testing was conducted in accordance with ASTM D2859-16, following the Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Systems.

75% Cotton/25% Jute Carpet with Flame Safe Fabric Safe has met the criteria of ASTM D2859.

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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REVISION SUMMARY

DATE	SUMMARY
October 4, 2017	Date of original report