



**TESTING SERVICES, INC.**  
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**TEST REPORT**

<b>CLIENT:</b> Shaw Industries/Patcraft Commercial 616 Duval Avenue Chatsworth, GA 30705	<b>REPORT NUMBER:</b> 31068D <b>LAB TEST NUMBER:</b> 1625-2512 <b>DATE:</b> July 15, 2005
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**SUBJECT:** Testing Services Inc was instructed by the client to assess static generating propensity of submitted floor covering material.

**TEST METHOD:** *AATCC Method 134, Electrostatic Propensity of Carpets*

**SCOPE OF TEST:** The test material is brought to equilibrium at controlled atmospheric conditions and is walked on by a test operator in a specified manner with specified shoe soles and heels. The static charge, which builds up on the operator, is monitored continuously by a voltage indicator or recorder.

**TEST EQUIPMENT:**

Base:	Earthed Metal Base Plate 2000 mm x 1000 mm
Underlayment:	Earth grounded metal plate
Sandals:	Neolite in accordance with Annex A
Reference Carpets:	AATCC Protected/Un Protected
Voltage Measuring:	Input Resistor( Leasametric) and Hand Electrode
Voltage Recording:	Continuous Chart (Esterline Angus)
Chamber Measuring:	Wall Chart (Dickson)/ Hand Held (Dickson)
Chamber Conditions:	70°F ±1° 20% RH ± 3%

**PRE-TEST:** The sample was tested as received over a standard 40 oz/yd<sup>2</sup> rubberized Hair/Jute cushion.

**TEST RESULTS:**

Sample ID	Day	Mode	Reading
Style: Strut Your Stuff I0109 Color: 9205 Roll #: 225190W Backing: EX	1	Step	(-)0.25 kv
	2	Step	(-)0.75 kv
	AVERAGE		(-)0.50 kv
	3	Scuff	(-)1.25kv
	4	Scuff	(-)1.00kv
	AVERAGE		(-)1.13kv

**NOTE:** The results of this test relate to the sample tested. Its static performance may be altered in service as a result of wear, soiling, cleaning, temperature, relative humidity, etc.

**Erle Miles, Jr. VP**  
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**NVLAP Code # 100108-0**  
**ISO 9002**

**TEST REPORT**

<b>CLIENT:</b> Shaw Industries/Patcraft Commercial 616 Duval Avenue Chatsworth, GA 30705	<b>REPORT NUMBER:</b> 31068F <b>LAB TEST NUMBER:</b> 1625-2512 <b>DATE:</b> July 15, 2005
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**SUBJECT:** Testing Services Inc was instructed by the client to perform a procedure for measuring the critical radiant flux of horizontally mounted floor-covering systems exposed to a flaming ignition source in a graded radiant heat energy environment in a test chamber.

**SCOPE OF TEST:** This fire test standard is designed to provide a basis for estimating one aspect of the fire exposure behavior of a floor-covering system installed in a building corridor.

**SAMPLE ID:** Style: Strut Your Stuff I0109 Color: 9205  
 Backing: EX Roll #: 225190W

**TEST METHOD:** *ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source*

**TEST INFORMATION:** Specimens of the sample were tested for critical radiant flux in accordance with ASTM Test Method E-648, NFPA 253 and FTM Standard 372. The value reported is the average of three specimens, reported as Critical Radiant Flux in units of watts per centimeter squared (W/cm<sup>2</sup>).

**Mounting Board:** Astone Fabricators Inc. (AFI) Tunnel Board Z Calcium Silicate Board  
**Adhesive:** Multi-Purpose. No adhesive set up time. Immediate adhesion of test material to board using a swirl direction.  
**Trowel:** 1/8" X 1/8" X 1/8"  
**Conditioning:** Minimum 96 hrs @ 70°F 50% RH


**CLASSIFICATIONS:** NFPA: **Class I**= 0.45 W/cm<sup>2</sup> or higher  
**Class II** = 0.22 – 0.44 W/cm<sup>2</sup>  
**No Classification**= <0.21 W/cm<sup>2</sup>

**TEST DATA:**

Specimen	Time	Distance	Critical Radiant Flux
#1	00:28:17 min	34.9 cm	0.59 W/cm <sup>2</sup>
#2	00:25:49 min	39.5 cm	0.50 W/cm <sup>2</sup>
#3	00:26:46 min	37.6 cm	0.54 W/cm <sup>2</sup>
Standard Deviation: 0.04 Coefficient of Variation: 8.18%			

**TEST RESULTS:**

<b>Average Critical Radiant Flux</b> 0.55 W/cm <sup>2</sup>	<b>NFPA Classification</b> Class I
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**This test report relates to the installation in accordance with the criteria set forth in the report. Any variation in the criteria may produce different results.**

## TEST REPORT

<b>CLIENT:</b> Shaw Industries/Patcraft Commercial 616 Duval Avenue Chatsworth, GA 30705	<b>REPORT NUMBER:</b> 31068H <b>LAB TEST NUMBER:</b> 1625-2512 <b>DATE:</b> July 15, 2005
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**SUBJECT:** Testing Services Inc was instructed by the client to perform testing to determine the specific optical density of smoke generated by solid materials and assemblies mounted in a vertical position.

**TEST PROCEDURE:** ASTM E 662: *Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials, also complies with NFPA 258.*

**SCOPE OF TEST:** This test method employs an electrically heated radiant-energy source where the test specimens are exposed to either flaming or non-flaming (or both modes) conditions within a closed chamber. A photometric system with a vertical light path is used to measure the varying light transmission as smoke accumulates. The light transmittance measurements are used to calculate specific optical density of the smoke generated during the time period to reach the maximum value.

**SAMPLE ID:** Style: Strut Your Stuff I0109                      Color: 9205  
 Backing: EX    Roll #: 225190W

**CHAMBER CONDITIONS:** Radiometer Output: 8.1 MV  
 Furnace Voltage: 117 V  
 Pressure: Positive Under Three Inches of Water  
 Irradiance: 2.5 watts/cm.<sup>2</sup>  
 Burner Fuel: Propane

**TEST DATA:**

Specimen Number:	FLAMING			NON-FLAMING		
	1	2	3	1	2	3
Time to Attain TM (Minutes)	1.6	1.5	1.7	2.9	2.9	2.6
Specific Optical Density (Ds) at 1.5 min.	13	23	11	1	1	1
Specific Optical Density (Ds) at 4.0 min.	124	178	112	45	46	45
Maximum Specific Optical Density (DM)	125	184	113	176	123	179
Clear Beam (DC)	8	17	8	1	1	2
DMC (Corrected DM)	117	167	105	175	122	177

**TEST RESULTS:**

	FLAMING	NON-FLAMING
Average D <sub>s</sub> , 1.5 Min.	16	1
Average D <sub>s</sub> , 4.0 Min.	138	45
Average D <sub>M</sub>	141	159
Average D <sub>M</sub> , (Corrected)	130	158



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