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Test Report

Customer: Shaw Contract

June 7, 2018

Subject: Specimens of the submitted sample were prepared and tested in accordance with
ASTM E 648-17 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Style Name: Stay
Style/Inventory#: 5A247
Backing Type: UltraLoc
Other Information: Color: 485
S-180525-00016

Test Assembly

Mounted on 6mm FRC Board
(Using Shaw 1000 Adhesive)

<u>Test Results</u>	<u>Specimen No. 1</u>	<u>Specimen No. 2</u>	<u>Specimen No. 3</u>
Critical Radiant Flux	0.97 watts/cm ²	0.93 watts/cm ²	0.92 watts/cm ²
Total Burn Length	16.0 cm	18.0 cm	19.0 cm
Flame Front Out	13.0 minutes	11.0 minutes	14.0 minutes

Average Critical Radiant Flux **0.94 watts/cm²**
Estimated Standard Deviation **0.03 watts/cm²**
2.8% coefficient of variation



President L. Kent Suddeth



COMMERCIAL TESTING COMPANY

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Report Number 18-05010.6

**Shaw Contract
Dalton, Georgia**

**Test Number 5221-7871
May 3, 2018**

**GSA Testing
Electrostatic Propensity**

Applicable Document: General Services Administration, National Furniture Center, 3FNE-00-591a *Technical Requirements Booklet for Carpet, Carpet Tiles and Carpet Cushion*, FSC Group 72, Part I, Section A dated April 30, 2002 and GSA Carpet Specification Guideline dated April 1, 2010.

Test Method: The test was conducted in accordance with the AATCC Test Method 134, *Electrostatic Propensity of Carpets*. Prior to testing, the carpet was subjected to three (3) cleaning cycles as described in AATCC Test Method 171. The first cleaning cycle was done using AATCC standard detergent, followed by two cycles using clear water. Subsequent to the final cleaning cycle, the test sample was conditioned to equilibrium and tested in an atmosphere maintained at 21°C and 20% relative humidity. Classification is based on the GSA 3FNE-00-591a dated April 30, 2002. Technical Requirements Booklet, where Commercial carpets must have an electrostatic propensity (maximum) of 3.5 kilovolts and residential carpets 5.0 kilovolts. (NOTE: There is no requirement for residential wool carpets.)

Material Tested:

GSA Contract Number: Pre Award	Backing: Ultra Loc
Special Item Number: 31-301	Roll Number: CP0PKHM
Identification: 5A247 Stay	MO Number: Y0787
Construction: Broadloom-Multilevel Loop	Shaw Test Number: R-180416-48631

Test Result:

Test Mode	Measured Voltages
Step	0.5 kV
Use Classification	Commercial

Unless otherwise indicated, the test results presented herein comply with GSA Technical Requirements.

Commercial Testing Company

(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.



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Report Number 18-05010.5

**Shaw Contract
Dalton, Georgia**

**Test Number 5221-7871
May 3, 2018**

**GSA Testing
Flammability – Smoke Density**

Applicable Document: General Services Administration, National Furniture Center, 3FNE-00-591a *Technical Requirements Booklet for Carpet, Carpet Tiles and Carpet Cushion*, FSC Group 72, Part I, Section A dated April 30, 2002 and GSA Carpet Specification Guideline dated April 1, 2010.

Test Method: The test was conducted in accordance with the ASTM International fire test response standard E662, *Specific Optical Density of Smoke Generated by Solid Materials*. It provides a means of determining specific optical density of smoke generated by materials mounted in a vertical position. The method employs an electrically heated radiant-energy source positioned to produce an irradiance level of 2.5 W/cm² over the center of a vertically mounted 76.2 mm square specimen, in combination with a six-tube gas fueled burner used to apply a row of equidistant flamelets across the lower edge of the specimen. Specimens are exposed to the flaming condition within a closed chamber while varying light transmission is measured using a photometric system with a vertical light path. These measurements are used to calculate specific optical density of the smoke generated during the time period to reach the maximum value. Acceptability is based on the GSA Carpet Specification Guideline dated April 1, 2010, where the Average Specific Optical Density (Corrected) is specified to be < 450 (flaming exposure).

Material Tested:

GSA Contract Number: Pre Award	Backing: Ultra Loc
Special Item Number: 31-301	Roll Number: CP0PKHM
Identification: 5A247 Stay	MO Number: Y0787
Construction: Broadloom-Multilevel Loop	Shaw Test Number: R-180416-48631

Test Result:

Specimen Number	1	2	3
Dm	92	102	105
Time to Dm	6.8	7.0	7.2
Dc	9	7	6
Dm (corrected)	83	95	99
Average Dm (corrected)	92		

Unless otherwise indicated, the test results presented herein comply with GSA Technical Requirements.

Commercial Testing Company

(Authorized Signature)

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Report Number 18-05010.3

**Shaw Contract
Dalton, Georgia**

**Test Number 5221-7871
May 3, 2018**

**GSA Testing
Flammability – Methenamine Pill Test**

Applicable Document: General Services Administration, National Furniture Center, 3FNE-00-591a *Technical Requirements Booklet for Carpet, Carpet Tiles and Carpet Cushion*, FSC Group 72, Part I, Section A dated April 30, 2002 and GSA Carpet Specification Guideline dated April 1, 2010.

Test Method: The pill test was conducted in accordance with 16 CFR Chapter II, Subchapter D, Part 1630, *Standard for the Surface Flammability of Carpets and Rugs (FF 1-70)*. For this test, an individual specimen meets the *Test Criteria* if the charred portion does not extend to within 1.0 inch of the edge of the hole in the flattening frame. The *Acceptance Criteria* is based on at least 7 of 8 specimens meeting the *Test Criteria* in order for the material to conform to this standard.

Material Tested:

GSA Contract Number: Pre Award	Backing: Ultra Loc
Special Item Number: 31-301	Roll Number: CP0PKHM
Identification: 5A247 Stay	MO Number: Y0787
Construction: Broadloom-Multilevel Loop	Shaw Test Number: R-180416-48631

Test Result:

Specimen Number								Acceptance Criteria
1	2	3	4	5	6	7	8	
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Unless otherwise indicated, the test results presented herein comply with GSA Technical Requirements.

Commercial Testing Company

(Authorized Signature)

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