



# COMMERCIAL TESTING COMPANY

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Report Number 16-04059.4

Shaw Contract  
Dalton, Georgia

Test Number 4785-7907-0416R  
March 31, 2016

**GSA Testing**  
**Flammability – Flooring Radiant Panel 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 radiant panel test was conducted in accordance with the ASTM test method E648, *Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source*. The floor covering was tested as a glue-down floor-covering system using Shaw 5000 over a simulated concrete (reinforced cement board) subfloor. Classification is based on the NFPA 101 *Life Safety Code*, where Class I material has an average critical radiant flux of  $\geq 0.45 \text{ W/cm}^2$  and a Class II material has an average critical radiant flux of  $\geq 0.22 \text{ W/cm}^2$ . In either case, the specific optical density of the smoke when tested in the flaming mode shall not exceed 450.

**Material Tested:**

GSA Contract Number: Pre Award

Color: 00001

Special Item Number: 31-303, 31-601

MO Number: C8225

Identification: 5T170 Primitive

Pile Fiber: 100% Eco Solution Q Nylon

Construction: Multilevel Pattern

Backing: EcoWorx

Cut & Loop Tile

Shaw Test Number: R-160224-26369

**Test Result:**

Specimen Number	1	2	3
Maximum Burn Distance, cm	25.8	26.2	27.4
Time to Flame-Out, min	19.4	18.2	21.1
Critical Radiant Flux, $\text{W/cm}^2$	0.78	0.77	0.74
Average Critical Radiant Flux		0.76 $\text{W/cm}^2$	
NFPA Classification		Class I	

**Note Concerning Tiles:** The tiles tested measured 9 inches by 36 inches. The test result reported herein is applicable to the size tested and to identical tiles of smaller dimensions.

Unless otherwise indicated, the test results presented herein comply with GSA 3FNE-00-591a Technical Requirements Booklet.

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(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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