



# COMMERCIAL TESTING COMPANY

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Report Number 05-08119

Masland Carpets, Inc.  
Saraland, Alabama

Test Number 3698-7132  
August 9, 2005

## Flooring Radiant Panel Test

**Test Method:** The test was conducted in accordance with the ASTM International fire test response standard E 648-04, *Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source*. This test measures the critical radiant flux at flame-out of horizontally mounted floor-covering systems that duplicate or simulate accepted installation practices. The floor-covering system is exposed to a flaming ignition source in a graded radiant heat energy environment generated by a radiant panel inclined at a 30° angle to the sample. The panel generates a heat distribution along the sample length ranging from a nominal maximum of 1.0 W/cm<sup>2</sup> to a minimum of 0.1 W/cm<sup>2</sup>. Tests on individual components are of limited value and are not valid for evaluation of floor-covering systems.

### Floor Covering:

Identification: 7243 Random Control

Construction: Loop Pile

Secondary Backing: Woven Synthetic

Total Weight: 71.6 oz/yd<sup>2</sup>

### Flooring System:

Application: Glue-Down

Subfloor: Simulated Concrete (Reinforced Cement Board)

Adhesive: Henry 356

### Test Result:

	#1	#2	#3
Maximum Burn Distance (cm)	32.3	29.2	30.8
Time to Flame Out (min)	23.5	21.8	22.8
Critical Radiant Flux	0.64	0.71	0.67
<b>Average Critical Radiant Flux</b>	<b>0.67 W/cm<sup>2</sup></b>		
Standard Deviation	0.03		

**Classification:** The floor-covering system tested may be classified as a **Type I** installation based on the NFPA 101 *Life Safety Code*, or a **Class A** as defined by the GSA in Solicitation Number 3FNH-98-F301-B, CP-FSS-1-C (March 1998), 3FNE Technical Requirements Booklet, April 30, 2002. However, care must be exercised in their use as a material may be otherwise classified by the authority having jurisdiction.

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(Authorized Signature)

The ASTM International E 648 test conducted by Commercial Testing Company is recognized by the United States Department of Commerce, National Institute of Standards and Technology (NIST), through the National Voluntary Laboratory Accreditation Program (NVLAP) for compliance with criteria set forth in NIST Handbook 150:2001, all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994. 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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