



COMMERCIAL TESTING COMPANY

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Report Number 06-11517

Masland Carpets, Inc.
Saraland, Alabama

Test Number 3847-4219
November 28, 2006

Flooring Radiant Panel Test

Test Method: The test was conducted in accordance with ASTM International fire test response standard E 648-06, *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/cm² to a minimum of 0.1 W/cm². Tests on individual components are of limited value and are not valid for evaluation of floor-covering systems.

Floor Covering:

Identification: T412 Arroyo Color: 14210 Sands
Construction: Loop Pile Carpet Tile Total Weight: 151.4 oz/yd²
Secondary Backing: TL

Flooring System:

Application: Glue-Down
Subfloor: Simulated Concrete (Reinforced Cement Board)
Adhesive: Saf-T-100

Test Result:

	#1	#2	#3
Maximum Burn Distance (cm)	19.2	18.8	16.5
Time to Flame Out (min)	16.5	14.7	15.2
Critical Radiant Flux	0.92	0.92	0.97
Average Critical Radiant Flux	0.94 W/cm²		
Standard Deviation	0.03		

Note Concerning Tiles: The tiles tested measured 24 inches by 24 inches. The test result reported herein is applicable to the size tested and to identical tiles of smaller dimensions.

Classification: The floor-covering system tested may be classified as a **Type I** based on the NFPA 101 *Life Safety Code*, or a **Class A** as defined by the GSA in 3FNE-00-591a Technical Requirements Booklet. 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)

Commercial Testing Company is accredited for ASTM E 648 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 and all requirements of ISO/IEC 17025:1999. 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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