



SGS U.S. Testing Company Inc.

5555 Telegraph Road  
Los Angeles, CA 90040  
Tel: 213 838-1600  
Fax: 213 722-8251

REPORT NUMBER: 740861-5  
DATE April 1, 2015  
PAGE: 1 OF 3

REPORT OF TEST

CLIENT: ROSCO LABORATORIES, INC.  
1120 N. Citrus Avenue  
Hollywood, CA 90038

SUBJECT: CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS

REFERENCES: 1 Our confirmation to the Client dated August 13, 1997.  
2 Testing conducted on August 20, 1997.  
3 Testing authorized by Barn Brown  
4 Test samples received on August 11, 1997  
5 Client's Purchase Order No. 97111.

SAMPLE ID: The Client submitted and identified the sample as:  
  
Performance Floor covering material

TEST PROCEDURE: The submitted sample was tested for flammability in accordance with the procedures outlined in ASTM E648-95a, "Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source". The foregoing test procedure is comparable to NFPA No. 253

PREPARED BY:

*Brian Ortega*  
Brian Ortega  
Test Technician/gb

SIGNED FOR COMPANY BY:

*Michael S. Elliott*  
Michael S. Elliott  
Manager/Fire Tech. Dept

Member of the SGS Group

ANALYTICAL SERVICES • PERFORMANCE TESTING • STANDARDS EVALUATION • CERTIFICATION SERVICES  
SGS U.S. TESTING COMPANY INC. REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANYONE RELYING ON SUCH REPORTS SHOULD STAND ALL OF THE DETAILS OF THE ENGAGEMENT. REPORTS REFLECT RESULTS ONLY OF THE STANDARDS OR PROCEDURES IDENTIFIED TO THE TESTS CONDUCTED AND ARE NOT TO BE USED FOR ANY OTHER PURPOSES. TEST RESULTS MAY NOT BE INDICATIVE OF THE QUALITIES OF THE LOT FROM WHICH THE SAMPLE WAS TAKEN. SGS U.S. TESTING COMPANY INC. HAS CONDUCTED A QUALITY CONTROL PROGRAM FOR THE CLIENT. NEITHER THE NAME, SEALS, MARKS NOR SERVICES OF SGS U.S. TESTING COMPANY INC. MAY BE USED IN ANY MANNER OR PROMOTIONAL MATERIALS WITHOUT THE PRIOR WRITTEN APPROVAL OF SGS U.S. TESTING COMPANY INC. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN PERMISSION OF THE SGS U.S. TESTING COMPANY INC. SAMPLES NOT DESTROYED BY TESTING ARE DISPOSED OF AFTER 30 DAYS.

CLIENT: ROSCO LABORATORIES, INC.

**PREPARATION  
AND CONDITIONING:**

The sample was cut into three sections 10" wide by 42" long and adhered to 1/4" inorganic reinforced cement board with Rosco Adhesive No. 500.

Prior to clamping the floor covering system in the mounting frame, the specimens were conditioned at  $21 \pm 3^\circ\text{C}$  and a relative humidity of  $50 \pm 5\%$  and allowed to reach moisture equilibrium.

**TEST PROCEDURE:**

The test chamber was pre-heated for one hour and the radiant panel black body temperature verified to be within  $5^\circ\text{C}$  of the temperature established during calibration. The pilot burner was ignited and the specimen inserted into the chamber. After a five minute pre-heat, the pilot burner flame was placed in contact with the specimen for five minutes, then removed. The test was continued until all flaming ceased. The distance burned was measured and converted to Critical Radiant Heat Flux at flame out.

**TEST RESULTS:**

Sample: Performance floor covering material

<u>Specimen Number</u>	<u>Burn Distance Centimeters</u>	<u>Critical Radiant Heat Flux, Watt/cm<sup>2</sup></u>
1	27.0	0.74
2	26.0	0.76
3	<u>24.0</u>	<u>0.79</u>
Average	25.7	0.76

**OBSERVATIONS:**

Moderate charring and smoke evolution was noted



CLIENT: ROSCO LABORATORIES, INC.

REQUIREMENTS:

The 1988 Edition of the NFPA "Life Safety Code" provides the following classification for regulating interior flooring materials in specified occupancies:

CLASS I - Includes materials which have a minimum Critical Radiant Flux of 0.45 watts/cm<sup>2</sup>.

CLASS II - Includes materials which have a minimum Critical Radiant Flux of 0.22 watts/cm<sup>2</sup>.

Examples of the requirements for application of interior flooring material in exits and corridors for specified occupancies are listed below

Health Care Centers

Class I in new facilities and for newly installed flooring materials in existing facilities

Child Care Centers

Class I or II in both new and existing facilities

Hotels and Dormitories

Class I or II in both new and existing facilities

Apartments

Class I or II in both new and existing facilities

\*\*\*\*\*

End of Report

REPORT OF TEST