Inspections Division
Date: 05/19/15

CLIENT: 3M COMMERCIAL GRAPHICS
Building 207-BW-09
St. Paul, MN 55144
Diane Clifton

Test Report No: 914:050708-6	**Date: May 8, 2008**

SAMPLE ID: The following test material identified as 3M™ Panaflex™ Awning and Sign Facing 945GPS.

DATE OF RECEIPT: Entered into SGS USTC sample tracking system on April 25, 2008.

TESTING PERIOD: May 7, 2008.

AUTHORIZATION: Client's Purchase Order No. USMMM137JA..

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-07, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:

Flame Spread	**Smoke Developed**
20	200

For detailed results see page 2.

Tested by

Brian Ortega
Test Technician

Signed for and on behalf of
SGS U.S. Testing Company Inc.

Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: The sample material was submitted in one piece, 22" wide by 24" long, conforming to test chamber dimensions. . The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

E 84 TEST DATA SHEET:

CLIENT: 3M Commercial Graphics **DATE:** 05/08/08

SAMPLE: 3M™ Panaflex™ Awning and Sign Facing 945GPS

FLAME SPREAD:

IGNITION: 16 seconds

FLAME FRONT: 4 feet maximum

TIME TO MAXIMUM SPREAD: 33 seconds

TEST DURATION: 10 minutes

CALCULATION: 38.41 x 0.515 = 19.78

SUMMARY: FLAME SPREAD: 20 **SMOKE DEVELOPED:** 200 (248.39)

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Developed values over 200 are rounded to the nearest figure divisible by 50.

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

NFPA CLASS	IBC CLASS	FLAME SPREAD	SMOKE DEVELOPED
A	I	0 through 25	Less than or equal to 450
B	II	26 through 75	Less than or equal to 450
C	III	76 through 200	Less than or equal to 450

BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1994 Edition.

2. IBC 2006, Chapter 8, Interior Finishes, Sections 801-8065.

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End of Report