



High Quality Custom Displays



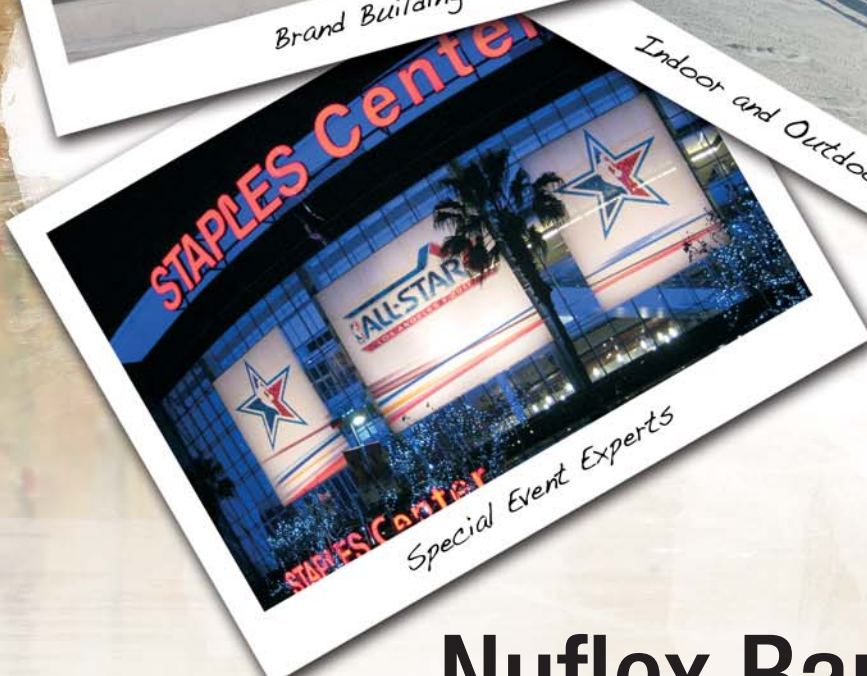
Say it Big!



Brand Building



Indoor and Outdoor Banners



Special Event Experts

Nuflex Banner Nusign Fire Certificate



QAI LABORATORIES

CERTIFICATION TESTING INSPECTION

8385 White Oak Avenue
Rancho Cucamonga, CA 91730
909.483.0250 ph. | 909.483.0336 fx.

CLIENT: RAMTECH LABORATORIES
14104 Orange Avenue
Paramount, CA 90723
Steve Berggren

| | |
|---------------------------------|---------------------------------|
| Test Report No: RJ0961-1 | Date: September 27, 2010 |
|---------------------------------|---------------------------------|

SAMPLE ID: The test samples are identified as specimens of Banner Material, 13 oz. Nuflex Supreme.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on September 23, 2010.

TESTING PERIOD: September 24, 2010

AUTHORIZATION: Testing authorized by Steve Berggren.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09, "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: | <u>Flame Spread</u> | <u>Smoke Developed</u> |
| | 25 | 100 |

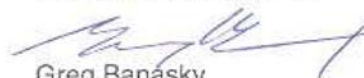
Detailed test results are presented in the subsequent pages of this report

CONCLUSION: The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

Prepared By


Brian Ortega
Test Technician

Signed for and on behalf of
QAI Laboratories, 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: Ramtech Laboratories **DATE:** 09/24/10

SAMPLE: Banner Material, 13 oz. Nuflex Supreme

FLAME SPREAD:

IGNITION: 7 seconds

FLAME FRONT: 5 feet maximum

TIME TO MAXIMUM SPREAD: 21 seconds

TEST DURATION: 10 minutes

CALCULATION: $48.87 \times 0.515 = 25.17$

SUMMARY: FLAME SPREAD: 25 SMOKE DEVELOPED: 100

SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density 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:

| <u>NFPA CLASS</u> | <u>IBC CLASS</u> | <u>FLAME SPREAD</u> | <u>SMOKE DEVELOPED</u> |
|-------------------|------------------|---------------------|---------------------------|
| A | A | 0 through 25 | Less than or equal to 450 |
| B | B | 26 through 75 | Less than or equal to 450 |
| C | C | 76 through 200 | Less than or equal to 450 |

BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.