# Fire & Smoke Testing Summary — SGS U.S. Testing Company Inc.

# **Testing Company:**

SGS U.S. Testing Company Inc. 5555 Telegraph Road

Los Angeles, CA 90040

Tel: 213-838-1600 Fax: 213-722-8251

# **Report Information**

Client: The Texston Company, 8011 Webb Avenue, North Hollywood, CA 91605

### **Report Numbers and Dates:**

- 114597-1 Veneciano Slaked Lime Plaster Date: 9/22/1998
- 114597-2 Marmorino/ Antico Slaked Lime Plaster Date: 9/22/1998
- 114597-3 Terra Limestone Cement Plaster Date: 9/22/1998

# **Test Objective**

To evaluate flame spread classification and smoke density development of three plaster finishes produced by The Texston Company, using ASTM E84-97a standards—comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

## **Test Methodology**

- Standard Used: ASTM E84-97a "Standard Method of Test for Surface Burning Characteristics of Building Materials"
- Substrate: ¼" inorganic reinforced cement board
- Sample Size: Three panels per product, each 24" wide x 96" long
- Conditioning: Samples stabilized at 73.4°F ± 5°F and 50% ± 5% RH
- Test Duration: 10 minutes
- Supervision: Application and testing witnessed by laboratory personnel

## **Samples Tested and Results**

Report No.	Product	Flame Spread	Smoke Density	Classification
114597-1	Veneciano Slaked Lime Plaster	0	0	NFPA Class A / UBC Class I

114597-2	Marmorino/Antico Slaked Lime Plaster	0	0	NFPA Class A / UBC Class I
114597-3	Terra Limestone Cement Plaster	0	5	NFPA Class A / UBC Class I

♦ NFPA Class A applies to flame spread 0–25, indicating excellent fire resistance.

## **Detailed Findings**

- Ignition: None of the samples ignited.
- Flame Front Advance: 0 feet for all three products.
- Maximum Spread: Not applicable (no ignition observed).
- Time Duration: 10 minutes for each test.

Smoke Density Graph (for Terra Plaster only)

- Found on page 10, compares Terra to Red Oak.
- Terra maintained minimal smoke development throughout the 10-minute period.

# **Code Compliance**

All tested plasters meet the highest fire classification standards:

- NFPA 101, Life Safety Code (1994 Edition)
- UBC 1994, Chapter 8, Interior Finishes, Sections 801–807

#### **Authorized Personnel**

- Testing Authorized by: Nurit Regev
- Prepared by: Greg Banasky, Test Technician
- Signed by: Michael S. Elliott, Manager, Fire Tech Dept., SGS

# Original Testing Report — SGS US Testing Report (9/22/1998)

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SGS U.S. Testing Company Inc.

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

REPORT NUMBER: 114597-1

DATE: 9/22/98 PAGE: 1 OF 3

CLIENT:

THE TEXSTON COMPANY

8011 Webb Avenue

North Hollywood, Ca 91605

SUBJECT:

FLAME SPREAD CLASSIFICATION AND SMOKE DENSITY

DEVELOPED

REFERENCES:

1. Our confirmation to the Client dated September 21, 1998.

2. Test sample received on September 16, 1998. 3. Testing conducted on September 22, 1998.

4. Testing authorized by Nurit Regev.

SAMPLE ID:

The Client submitted and identified the sample material as:

Veneciano Venetian Plaster

TEST

PROCEDURE:

Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-97a, "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.

PREPARED BY:

Greg Banasky Test Technician

Manager/Fire Tech. Dept.

ANALYTICAL SERVICES · PERFORMANCE TESTING · STANDARDS EVALUATION · CERTIFICATION SERVICES

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STANDALL OF THE DETAILS OF THE SHANDARDEMENT REPORTS REFLECT RESULTS ONLY OF THE STANDARDS OF PROCEDURES IDENTIFIED TO THE TESTS CONDUCTED AND ARE LIMITED
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SONDUCTED ANY OUTTO CONTROL PROCRAM FOR THE CUBRY NETTHER THE RAME, SEALS, MARKS NOR INSIGNA OF 50S, U.S. TESTING COMPANY INC. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHDUT THE WRITTEN PERMASSION OF THE SOS U.S. TESTING COMPANY INC. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHDUT THE WRITTEN PERMASSION OF THE SOS U.S. TESTING COMPANY INC. SHANDARD ARE DISPOSED OF AFTER 30 GAYG.



DATE: 9/22/98 PAGE: 2 OF 3

CLIENT: THE TEXSTON COMPANY

#### PREPARATION AND CONDITIONING:

The plaster was trowel amplied to three pieces, 24" wide by 96" long, of 1/4" inorganic reinforced cement board. The application was

witnessed by Laboratory personnel.

Prior to testing, the samples were placed in the conditioning room (maintained at  $73.4 \pm 5$ °F and a relative humidity of  $50 \pm 5\%$ ) and allowed to reach moisture equilibrium.

#### SUMMARY OF ASTM E84 RESULTS:

Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5.

SAMPLE	FLAME	SMOKE
IDENTIFICATION	SPREAD	DENSITY
Veneciano Venetian Plaster	0	0

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

NFPA CLASS	UBC CLASS	FLAME SPREAD
A B	l "	0 through 25
č	ill	26 through 75 76 through 200

#### BUILDING CODES CITED:

- 1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1994 Edition
- 2. Uniform Building Code, 1994 Edition, Chapter 8, Interior Finishes, Sections 801-807.

**CLIENT: THE TEXSTON COMPANY** 

**OBSERVATIONS:** 

REPORT NUMBER: 114597-1 DATE: 9/22/98 PAGE: 3 OF 3

E 84 TEST DATA SHEET:	CLIENT: The Texston Company DATE: 9/22/98
	SAMPLE: Venecianc Venetian Plaster
	SUBSTRATE: 1/4" ir organic reinforced cement board
FLAME SPREAD:	IGNITION: Did Not Ignite
	FLAME FRONT: 0 feet maximum
	TIME TO MAXIMUM SPREAD: N/A
	TEST DURATION: 10 minutes
	CALCULATION: N/A
	N/A = Not Applicable.
SUMMARY:	FLAME SPREAD: 0

SMOKE DENSITY: 0

Sample surface ignition was not observed during the ten minute

End of Report



SGS U.S. Testing Company Inc.

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

REPORT NUMBER: 114597-2 DATE: 9/22/98 PAGE: 1 OF 3

CLIENT:

THE TEXSTON COMPANY 8011 Webb Avenue North Hollywood, Ca 91605

SUBJECT:

FLAME SPREAD CLASSIFICATION AND SMOKE DENSITY

DEVELOPED

REFERENCES:

1. Our confirmation to the Client dated September 21, 1998.

2. Test sample received on September 16, 1998. 3. Testing conducted on September 22, 1998.

4. Testing authorized by Nurit Regev.

SAMPLE ID:

The Client submitted and identified the sample material as:

Marmorino Venetian Plaster

TEST

PROCEDURE:

Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-97a, "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.

PREPARED BY:

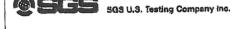
Greg Banasky Test Technician

SIGNED FOR COMPANY BY:

Manager/Fire Tech. Dept.

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DATE: 9/22/98 PAGE: 2 OF 3

CLIENT: THE TEXSTON COMPANY

PREPARATION AND CONDITIONING:

The plaster was trowel applied to three pieces, 24" wide by 96" long, of 1/4" inorganic reinforced cement board. The application was witnessed by Laboratory personnel.

Prior to testing, the samples were placed in the conditioning room (maintained at 73.4  $\pm$  5°F and a relative humidity of 50  $\pm$  5%) and allowed to reach moisture equilibrium.

SUMMARY OF ASTM E84 RESULTS:

Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5.

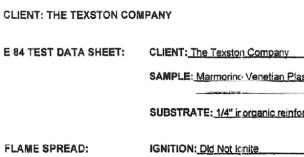
SAMPLE	FLAME	SMOKE
IDENTIFICATION	SPREAD	DENSITY
Marmorino Venetian Plaster	0	С

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

NFPA CLASS	LIBC CLASS	FLAME SPREAD
A	Į.	0 through 25
B C	111	26 through 75 76 through 200

BUILDING CODES CITED:

- National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1994 Edition
- Uniform Building Code, 1994 Edition, Chapter 8, Interior Finishes, Sections 801-807.



DATE: 9/22/98

DATE: 9/22/98 PAGE: 3 OF 3

SAMPLE: Marmorino Venetian Plaster
1144
SUBSTRATE: 1/4" ir organic reinforced cement board
IGNITION: Did Not icinite
FLAME FRONT: 0 feet maximum
TIME TO MAXIMUM SPREAD: N/A
TEST DURATION: 10 minutes
CALCULATION: N//
N/A = Not Applicable:

SUMMARY:

FLAME SPREAD: 0

SMOKE DENSITY: 0

OBSERVATIONS:

Sample surface ignition was not observed during the ten minute

test period.

\*\*\*\*\* End of Report





SGS U.S. Testing Company Inc.

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

REPORT NUMBER: 114597-3 DATE: 9/22/98

PAGE: 1 OF 4

CLIENT:

THE TEXSTON COMPANY 8011 Webb Avenue

North Hollywood, Ca 91605

SUBJECT:

FLAME SPREAD CLASSIFICATION AND SMOKE DENSITY

DEVELOPED

REFERENCES:

1, Our confirmation to the Clien: dated September 21, 1998.

2. Test sample received on September 16, 1998. 3. Testing conducted on September 22, 1998.

4. Testing authorized by Nurit Fiegev.

SAMPLE ID:

The Client submitted and identified the sample material as:

Terra Venetian Plaster

TEST

PROCEDURE:

Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-97a, "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.

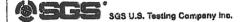
PREPARED BY:

Greg Banasky Test Technician SIGNED FOR COMPANY BY:

Manager/Fire Tech. Dept.

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DATE: 9/22/98 PAGE: 2 OF 4

**CLIENT: THE TEXSTON COMPANY** 

# PREPARATION AND CONDITIONING:

The plaster was trowel applied to three pieces, 24" wide by 96" long, of 1/4" inorganic reinforced cement board. The application was witnessed by Laboratory personnel.

Prior to testing, the samples were placed in the conditioning room (maintained at 73.4  $\pm$  5°F and a relative humidity of 50  $\pm$  5%) and allowed to reach moisture equilibrium.

#### SUMMARY OF ASTM E84 RESULTS:

Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5.

SAMPLE	FLAME	SMOKE
IDENTIFICATION	SPREAD	DENSITY
Тегта Venetian Plaster	C	5

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

NFPA CLASS	IJBC CLASS	FLAME SPREAD
A	1	0 through 25
В	H	26 through 75
С	111	76 through 200

#### BUILDING CODES CITED:

- National Fire Frotection Association, ANSI/NFPA Nc. 101, "Life Safety Code", 1994 Edition
- Uniform Building Code, 1994 Edition, Chapter 8. Interior Finishes. Sections 801-807.

DATE: 9/22/98 PAGE: 3 OF 4

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CLIENT: THE TEXSTON COMPANY

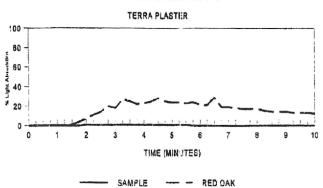
	E 84 TEST DATA SHEET:	CLIENT: The Texston Company	DATE: 9/22/98
		SAMPLE: Terra Venetian Plaster	
		SUBSTRATE: 1/4" in organic reinforced ceme	nt board
ト ト	FLAME SPREAD:	IGNITION: Did Not Ignite	
		FLAME FRONT: 0 feet maximum	
1_		TIME TO MAXIMUM SPREAD: N/A	
7		TEST DURATION: 10 minutes	
		CALCULATION: N/A	
~		N/A = Not Applicable.	
REPORT	SUMMARY:	FLAME SPREAD: 0	
		SMOKE DENSITY: 5	
	OBSERVATIONS:	Sample surface ignition was not observed dutest period.	iring the ten minute



DATE: 9/22/98 PAGE: 4 OF 4

CLIENT: THE TEXSTON COMPANY

# **SMOKE DENSITY**



End of Report

REPORT OF