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United States Testing Company, Inc. California Division

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FROM SAN FRANCISCO-415/928-6665

REPORT OF TEST

CHEMSTYLE, INC.
5801 West Mt. Hope Highway
P.O. Box 16070
Lansing, Michigan 48901

FLAME SPREAD CLASSIFICATION
SMOKE AND FUEL CONTRIBUTION

"In 'Plector Solar Screen"

February 10, 1983

TEST REPORT NO LA 30164

SIGNED FOR THE COMPANY

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This report reflects only the test procedures as performed in the laboratory and is not intended to be used as a basis for legal action. The test results are the property of the testing laboratory and are not to be used for any other purpose without the written consent of the testing laboratory. The test results are the property of the testing laboratory and are not to be used for any other purpose without the written consent of the testing laboratory.



REFERENCE

Client's Purchase Order Number 2170 per Mr. Don Swanson.

REQUIREMENT

Perform standard flame spread, smoke density and fuel contributed classification tests on the screen material supplied by the Client in accordance with ASTM Designation E-84, "Standard Method of Test for Surface Burning Characteristics of Building Materials".

SAMPLE IDENTIFICATION

The sample tested was submitted and identified by the Client as: In 'Flector Solar Screen a mylar window panel
Thickness: 0.016"

PREPARATION AND CONDITIONING

The screen material was laid over three metal open faced frames measuring 22" wide by 96" long and fastened in the long dimension only. The sample frames were placed in the conditioning room (maintained at a temperature of $73.4 \pm 5^{\circ}\text{F}$ and a relative humidity of $50 \pm 5\%$) and allowed to come to equilibrium.

TEST PROCEDURE

The sample was tested following calibration and preheating. The evaluation was performed in conformance with the specifications set forth in ASTM Designation E-84, "Standard Method of Test for Surface Burning Characteristics of Building Materials", both as to equipment and test procedure. The foregoing test procedure is comparable to UL 723, NFPA No. 255 and UBC No. 42-1.



SUMMARY OF TEST RESULTS

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

<u>Sample Identification</u>	<u>Flame Spread</u>	<u>Fuel Contribution</u>	<u>Smoke Density</u>
"In 'Flector Solar Screen"	5	0	10

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

<u>NFPA CLASS</u>	<u>UBC CLASS</u>	<u>FLAME SPREAD</u>
A	I	0 through 25
B	II	26 through 75
C	III	76 through 200
D	---	201 through 500
E	---	Over 500

BUILDING CODES CITED

1. National Fire Protection Association, NFPA No. 101, "Life Safety Code".
2. Uniform Building Code, 1979 edition, Part VIII, "Fire Resistive Standard for Fire Protection", Chapter 42-Interior Wall and Ceiling Finish, Sections 4201-4203.