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REPORT NUMBER: 117620
DATE: March 14, 1996
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REPORT OF

CLIENT: Americover
2067 Wineridge Pl. Suite F
Escondido, CA 92029

SUBJECT: Surface Burning Characteristics of Building Materials

AUTHORIZATION: Americover, Purchase Order Number 115632 dated March 5, 1996.

SAMPLE ID: One (1) sample of sheet material was submitted and identified by the client as:
DuraSkrim 2FR.

TEST PROCEDURE: The submitted sample was tested for flammability in accordance with the procedures outlined in ASTM E-84-94.

TEST DATES: March 14, 1996, Sample Received March 11, 1996

RESULTS: Continued on Page 3

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Member of the SGS Group

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INTRODUCTION

This report presents test results of Flame Spread and Smoke Developed Values per ASTM E-84-94. The report also includes Material Identification, Method of Preparation, Mounting and Conditioning of the specimens.

The tests were performed in accordance with the specifications set forth in ASTM E-84-94, "Standard Test Method for Surface Burning Characteristics of Building Materials" both as to equipment and test procedure. This test procedure is similar to UL-723, ANSI No. 2.5, NFPA No. 255 and UBC 42-1.

The test results cover two parameters: Flame Spread and Smoke Developed Values during a 10-minute fire exposure. Inorganic cement board and red oak flooring are used as comparative standards and their responses are assigned arbitrary values of 0 and 100, respectively.

PREPARATION AND CONDITIONING:

One (1) 24" x 24" section of the material was laid on a 2-inch galvanized hexagonal wire mesh supported by steel rods spanning the width of the tunnel. The sample thickness was 0.003 to 0.006 inches.

The sample was conditioned at 73° = 5° Fahrenheit and 50 ± 5% relative humidity.

TEST PROCEDURE

The tunnel was thoroughly pre-heated by burning natural gas. When the brick temperature, sensed by a floor thermocouple, had reached the prescribed 105° Fahrenheit ± 5° Fahrenheit level, the sample was inserted in the tunnel and test conducted in accordance with the standard ASTM E-84-94 procedures.

The operation of the tunnel was checked by performing a 10-minute test with inorganic board on the day of the test.

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RESULTS:

The test results, calculated in accordance with ASTM E-84-94 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen	:	R5CCF
Flame Spread Index*	:	0
Smoke Developed*	:	20

*Graphs of the Flame Spread, Smoke Developed and Time-Temperature are shown in Figures 1, 2 and 3 at the end of this report.

OBSERVATIONS:

Ignition was noted at 5 seconds along with charring, melting, and shrinking of the specimen directly exposed to the flame. Also observed were drippings and flaming drippings. There was no flamefront advancement. Neither afterflame nor afterglow were evident upon test completion.

RATING:

The National Fire Protection Association Life Safety Code 101, Section 6-5.3. "Interior Wall and Ceiling Finish Classification", has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, "Method Of Test of Surface Burning Characteristics of Building Materials", (ASTM E-84).

The classifications are as follows:

Class A Interior Wall & Ceiling Finish:	Flame Spread	-	0-25;
	Smoke Developed	-	0-450
Class B Interior Wall & Ceiling Finish:	Flame Spread	-	26-75;
	Smoke Developed	-	0-450
Class C Interior Wall & Ceiling Finish:	Flame Spread	-	76-200;
	Smoke Developed	-	0-450

Since the sample received a Flame Spread of 0 and a Smoke Developed Value of 20, it would fall into the Class A Interior Wall & Ceiling Finish Category.

End of Report