



SGS U.S. Testing Company Inc.

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CLIENT: Contego Global Holdings
15205 E 200 S
Akron, IN 46910

Test Report No: 150753**Date:** January 23, 2001

The following sample was submitted by the Client as:

5/8" Sheet of Douglas Fir Coated with Pyrologistix Intumescent Paint

DATE OF RECEIPT: January 4, 2001**TESTING PERIOD:** January 22, 2001**AUTHORIZATION:** Client's Purchase Order Number 2001-002.**TESTS REQUESTED:** The submitted sample was tested for Flammability in accordance with the procedures outlined in ASTM E-84-98.**PREPARED BY:**

Mark Ostrovsky, Technician
Fire Technology
lv

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**

Dominick Lepore, Manager
Fire Technology

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INTRODUCTION:

This report presents test results of Flame Spread and Smoke Developed Values per ASTM E-84-98. 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-84-98, 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:

Three (3) 2-foot x 8-foot panels were fitted end to end to form a 24" x 24'0" sample. Since the sample was self-supporting, no further preparation was necessary.

The sample was conditioned at $73^{\circ} \pm 5^{\circ}$ Fahrenheit and $50 \pm 5\%$ 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 $\pm 5^{\circ}$ Fahrenheit level, the sample was inserted in the tunnel and test conducted in accordance with the standard ASTM E-84-98 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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TEST RESULTS:

The test results, calculated in accordance with ASTM E-84-98 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen	:	5/8" Sheet of Douglas Fir Coated with Pyrologistix Intumescent Paint
Flame Spread Index*	:	0
Smoke Developed Value*	:	40

*Rounded off to the nearest 5 units. Graphs of the Flame Spread, Smoke Developed and Time-Temperature are shown on the attached charts at the end of this report.

OBSERVATIONS:

No ignition was noted followed by charring, blistering and sagging of the specimen directly exposed to the flame as the flamefront advanced 0 feet after 0 minutes. The coating charred and turned to a grey ash as the test progressed. Neither afterburn nor afterglow was 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 40, it would fall into the Class A Interior Wall & Ceiling Finish Category.

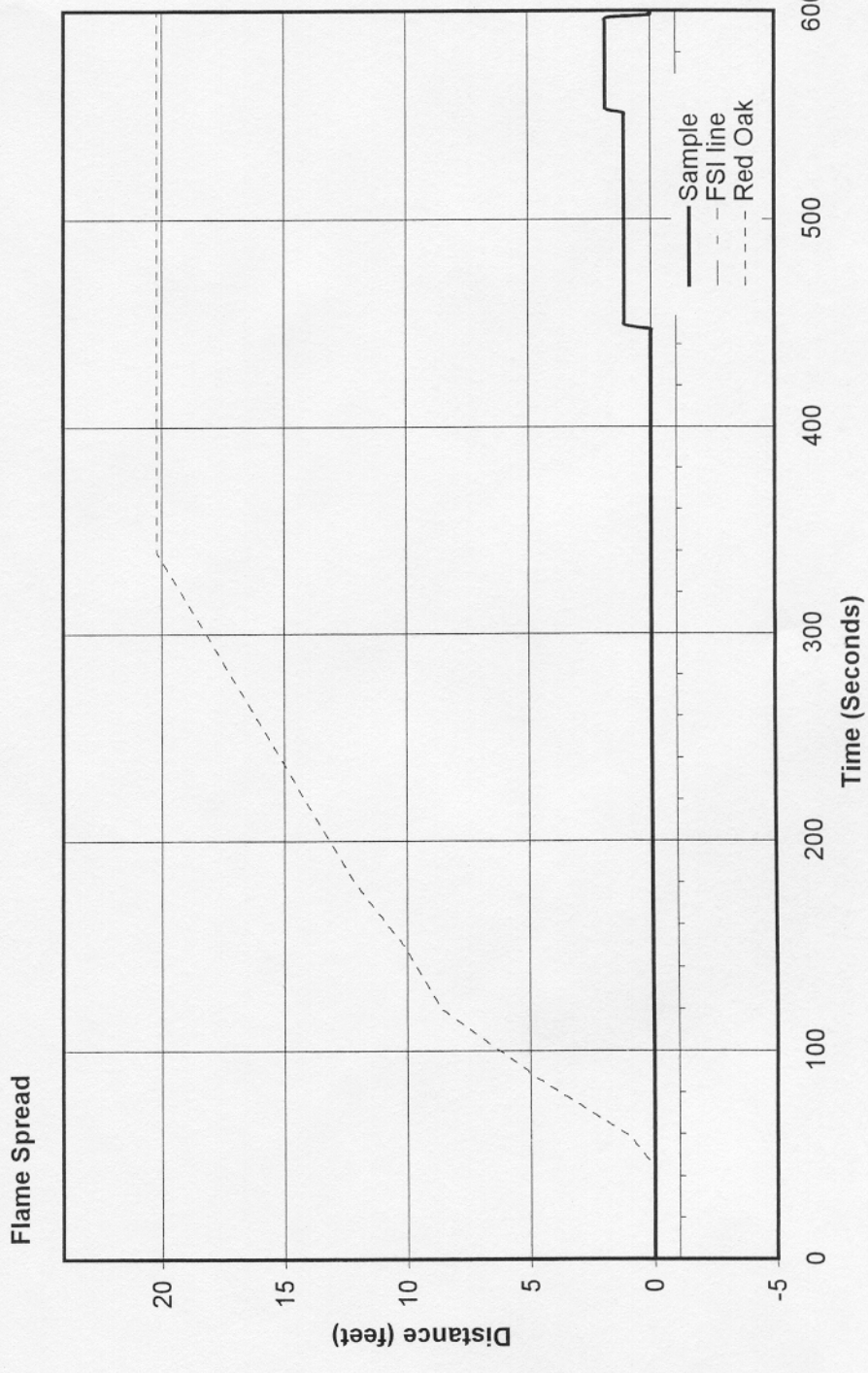
End of Report



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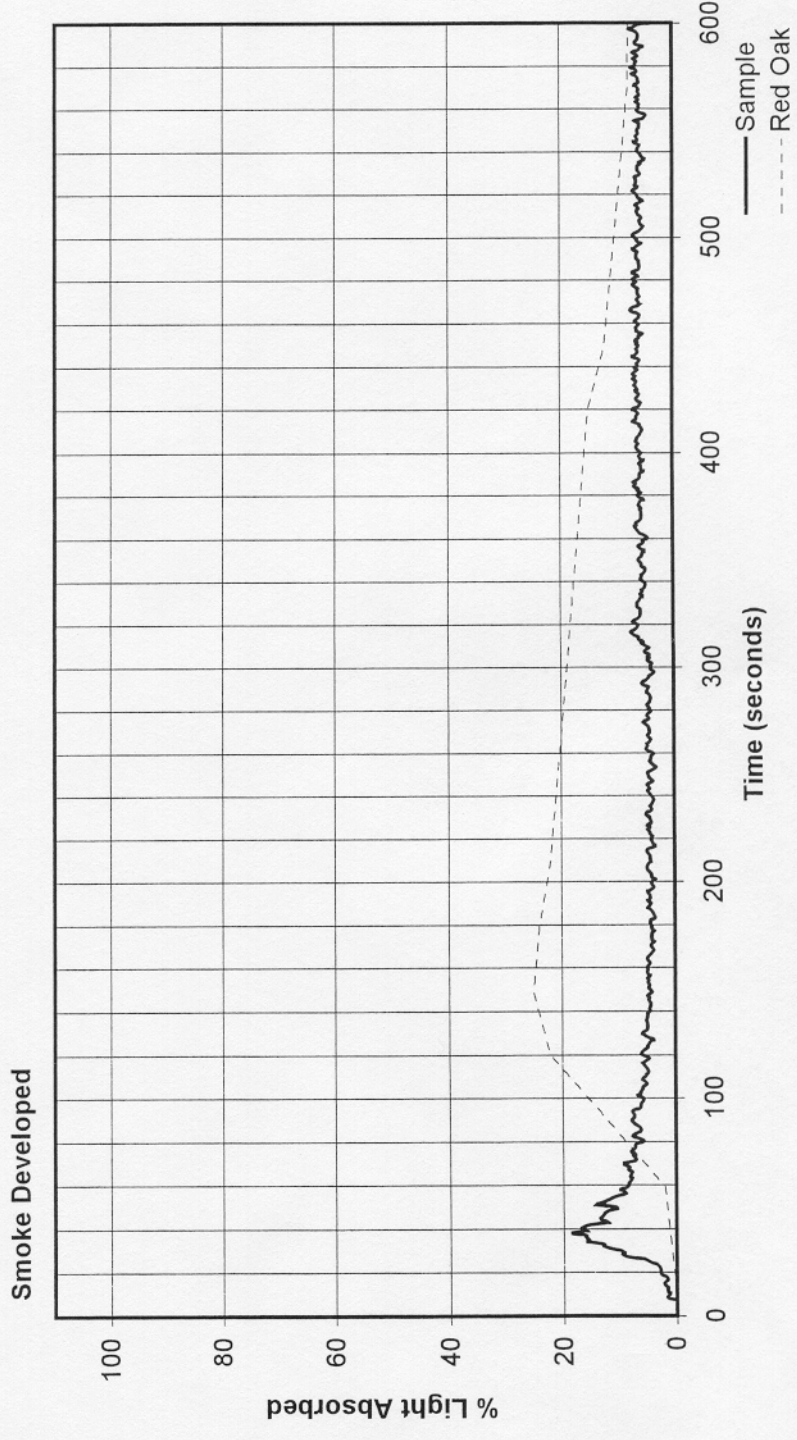




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