



EST. 1880

United States Testing Company, Inc.

Engineering Services Division

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REPORT OF TEST

JACARANDA, INC.
1590 N.W. 159TH ST.
MIAMI, FLORIDA 33169

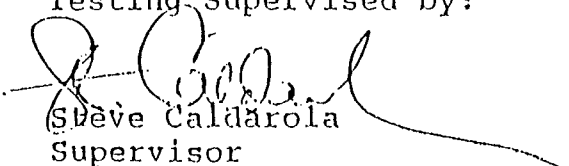
MAY 18, 1984

PROJECT

SURFACE BURNING CHARACTERISTICS
OF BUILDING MATERIALS

TEST REPORT NO. 87753

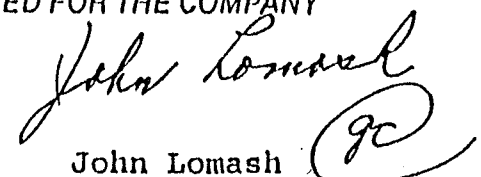
Testing Supervised by:


Steve Calderola
Supervisor

na Fire Technology Section

SIGNED FOR THE COMPANY

BY



John Lomash
Assistant Vice President

Laboratories in: New York • Chicago • Los Angeles • Houston • Tulsa • Memphis • Reading • Richland

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REFERENCE:

Jacaranda, Inc., letter of authorization dated April 25, 1984 per D. C. Whittelsey.

TEST PERFORMED:

The submitted sample was tested for Flammability in accordance with the procedures outlined in ASTM E-84-81a.

SAMPLE IDENTIFICATION:

One (1) sample was submitted and identified by the Client as:

Sanfoot Wallcovering
A five ply. layup consisting of a decorative wood veneer face, paper, aluminum foil, vinyl, and paper.

INTRODUCTION:

This report presents test results of flame spread and smoke developed values per ASTM E84-81a. 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 E84-81a. "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. Asbestos-cement board and red oak flooring are used as comparative standards and their responses are assigned arbitrary values of 0 and 100, respectively.

The performance of each material is evaluated in relation to the performance of asbestos-cement board and red oak flooring under similar fire exposure.

PREPARATION AND CONDITIONING:

Shur-Stik III Vinyl Wallcovering Adhesive was applied to three (3) 21" x 8'0" sections of A/C board. The test material was placed over the adhesive, rolled and allowed to cure.

The panels were conditioned at $73^{\circ} \pm 5^{\circ}\text{F}$ and 50 ± 5 percent 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 $105^{\circ}\text{F} \pm 5^{\circ}\text{F}$ level, the sample was inserted in the tunnel and test conducted in accordance with the standard ASTM E84-81a. procedures.

The operation of the tunnel was checked by performing a 10 minute test with A/C board on the day of the test.

TEST RESULTS:

The test results, calculated in accordance with ASTM E84-81a for flame spread and smoke developed values are as follows:

Test Specimen:	Sanfoot Wallcovering
Flame Spread Index*:	10
Smoke Developed Value*:	25

*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 29 seconds along with charring, peeling and flaking of the specimen directly exposed to the flame. The flamefront advanced a maximum distance of 2 feet at 1 minute 39 seconds. Neither afterflame nor afterglow were evident upon test completion.



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FLAME SPREAD

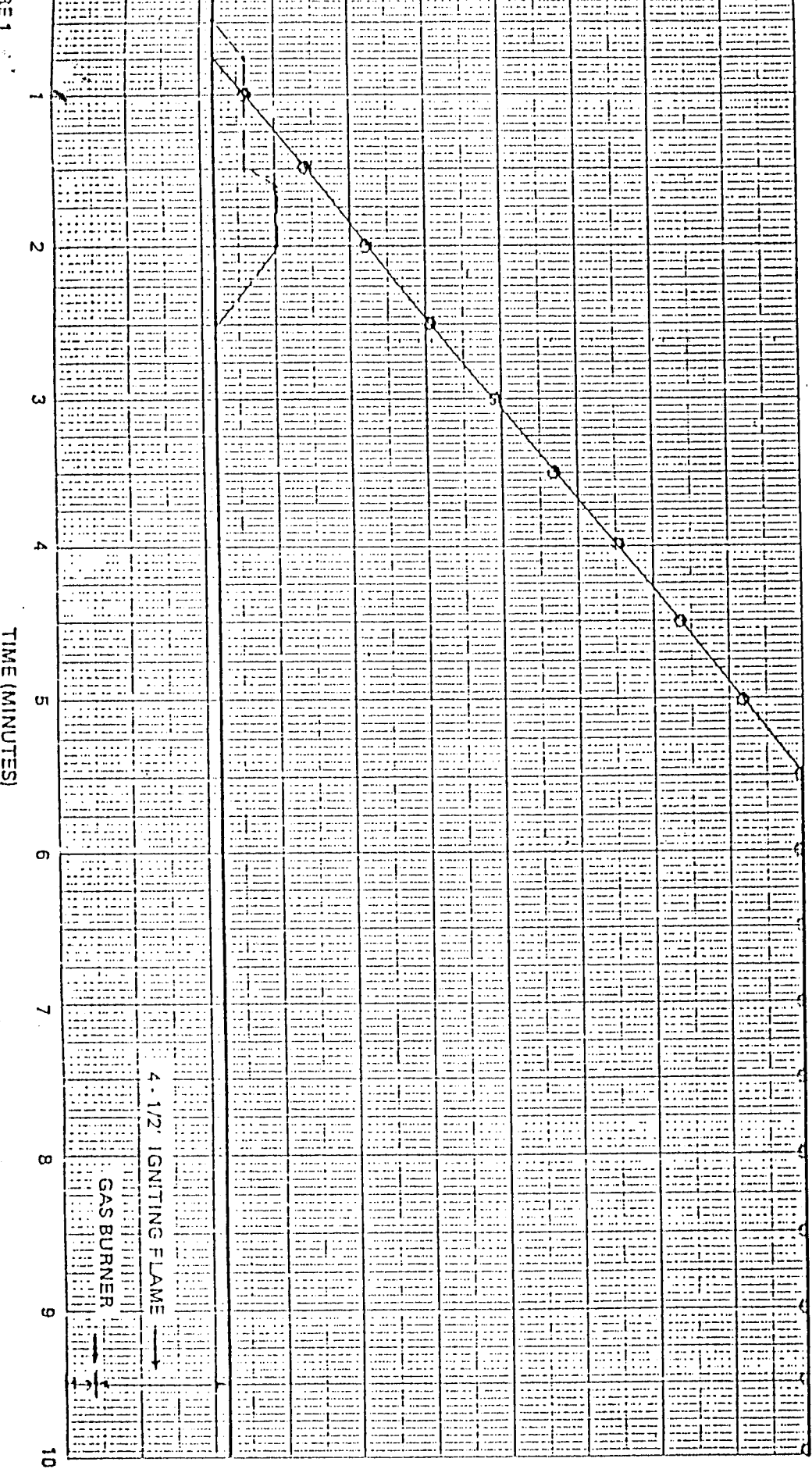
TEST NO. 87753

SAMPLE Sanfoot Wallcovering

TEST DATE 5/17/84

RED OAK 0 0

A.C. BOARD _____



TIME (MINUTES)

4. 1/2" IGNITING FLAME

GAS BURNER



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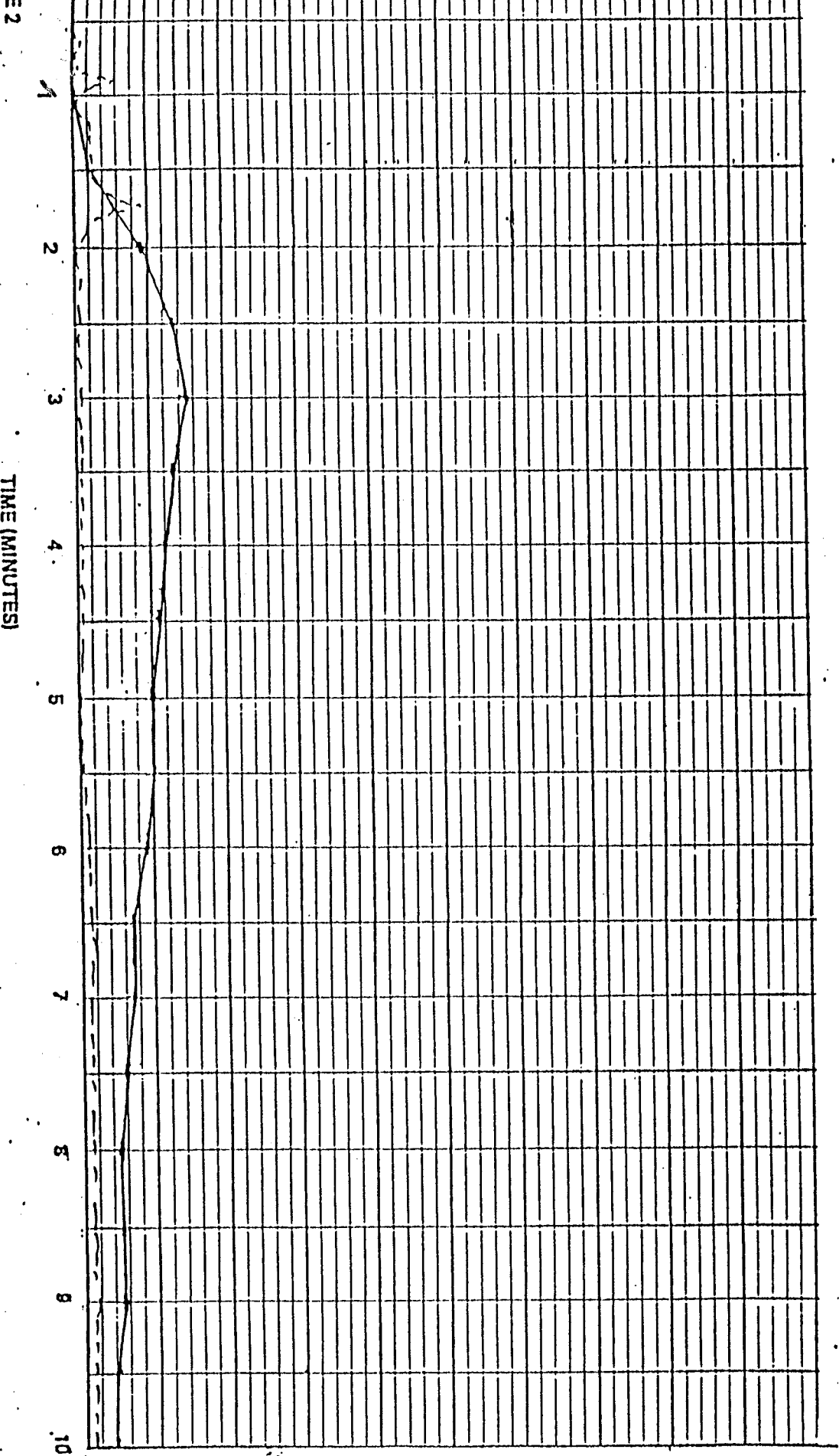
SMOKE DEVELOPED

SAMPLE -- Sanfoot Wallcovering --

RED OAK + +

TEST NO. 87753

TEST DATE 5/17/84





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TIME TEMPERATURE CURVE
OF EXPOSED THERMOCOUPLE

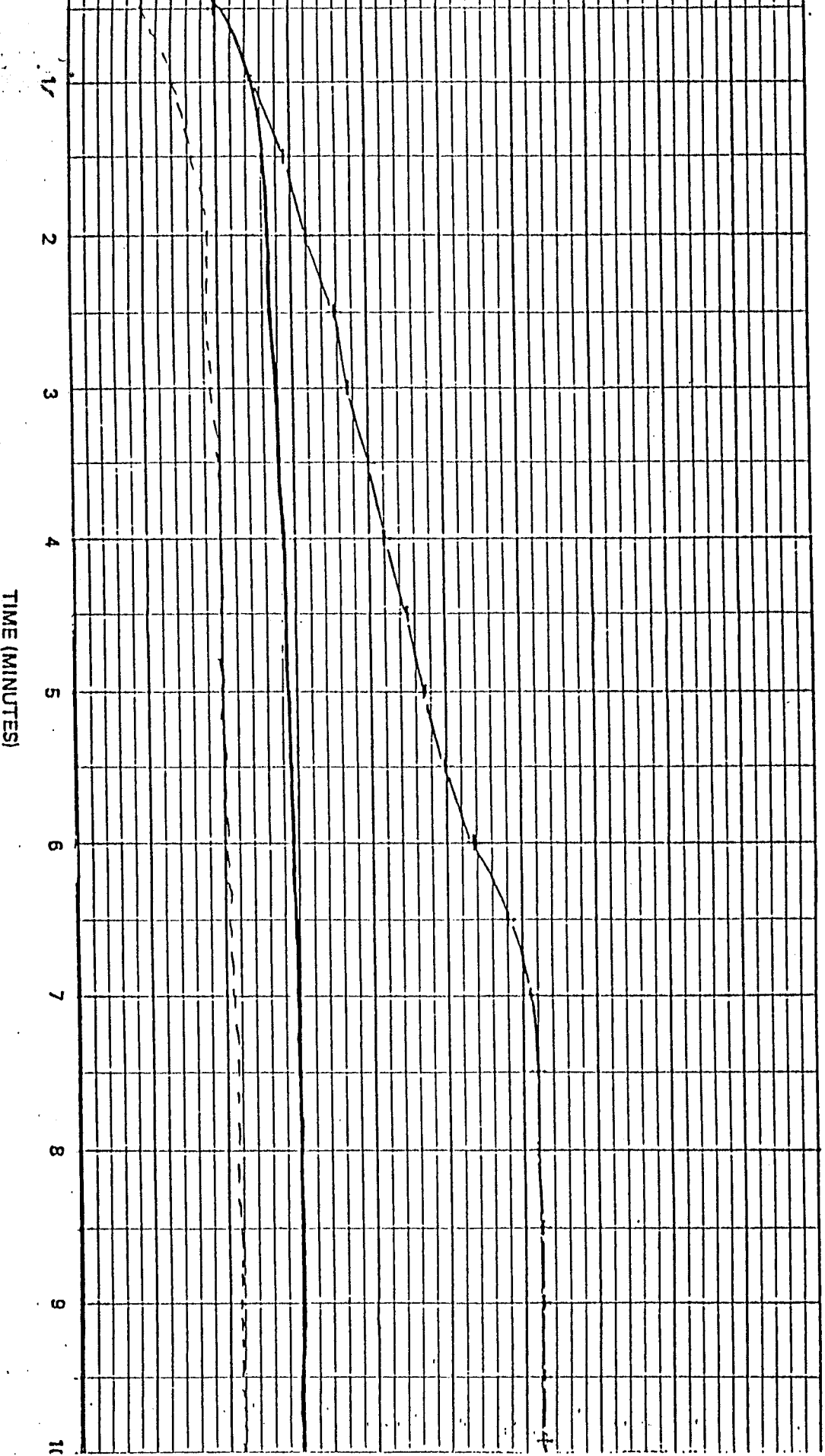
TEST NO. 87753

TEST DATE 5/17/84

A. C. BOARD

SAMPLE -- Sanfoot Wallcovering --

RED OAK _____ + _____ + _____





United States Testing Company, Inc.

FLAME SPREAD TEST NO. 87753

SAMPLE Sanfoot Wallcovering TEST DATE 5/17/84

RED OAK 0 0 A.C. BOARD _____

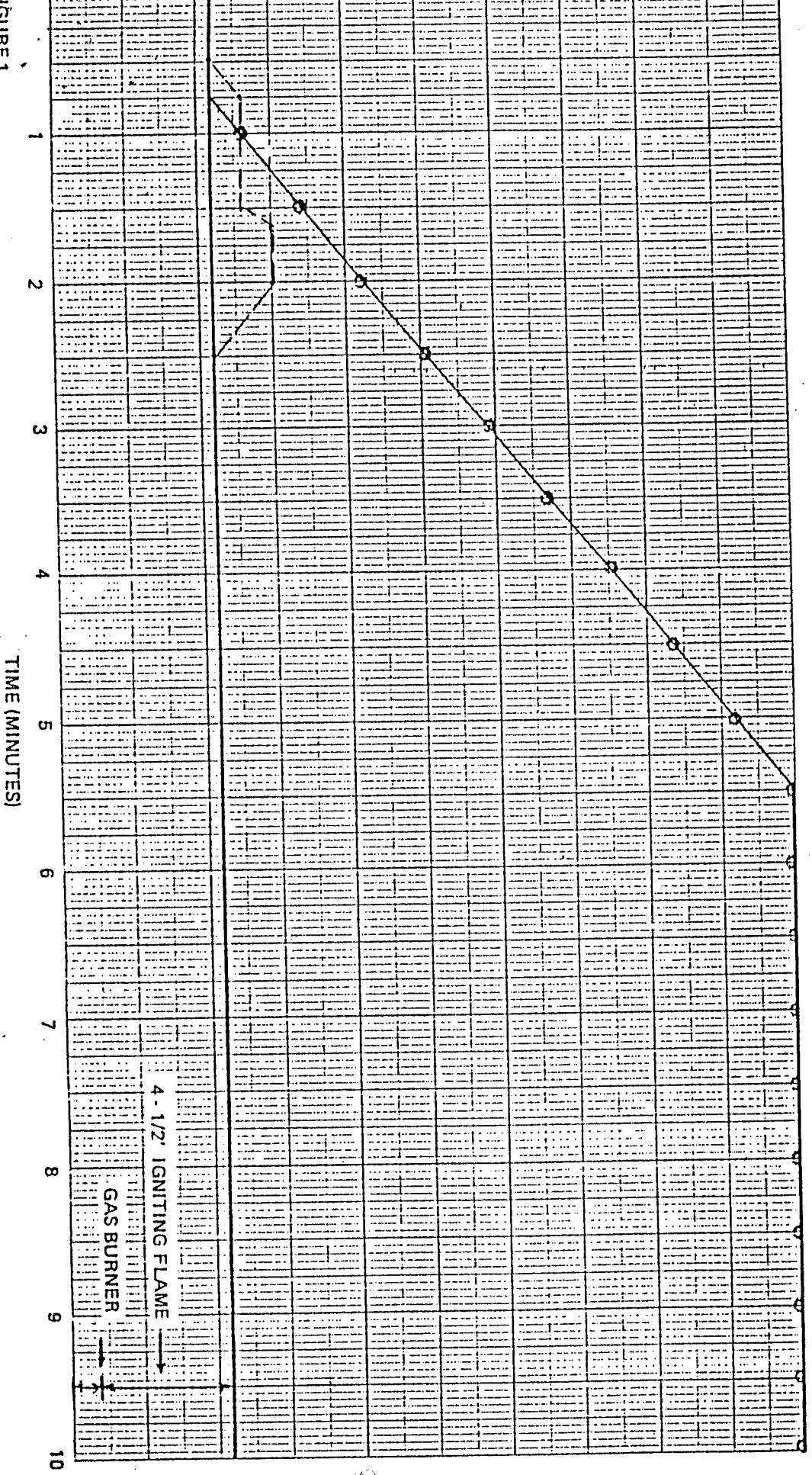


FIGURE 1



United States Testing Company, Inc.

SMOKE DEVELOPED

SAMPLE -- Sanfoot Wallcovering --

RED OAK + +

TEST NO. 87753

TEST DATE 5/17/84

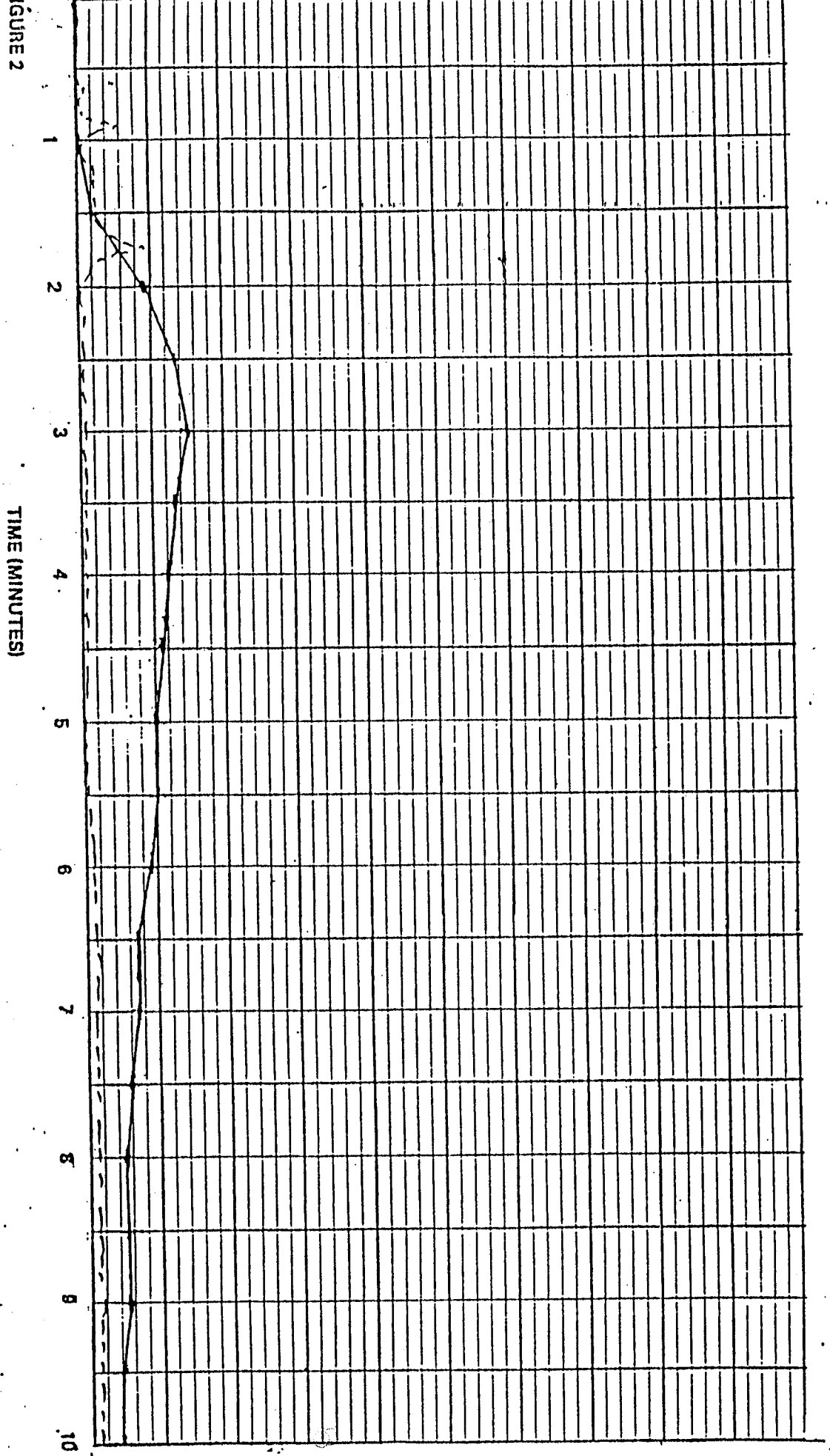


FIGURE 2



United States Testing Company, Inc.

TIME TEMPERATURE CURVE
OF EXPOSED THERMOCOUPLE

TEST NO.

87753

TEST DATE

5/17/84

A. C. BOARD

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RED OAK _____ + _____ + _____

SAMPLE

Sanfoot Wallcovering

TIME (MINUTES)

1 2 3 4 5 6 7 8 9 10

RES