United States Testing Company, Inc.
Engineering Services Division
1415 PARK AVENUE • HOBOKEN, NEW JERSEY 07030 • 201-792-2400
EST. 1880

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 Caldarola
Supervisor
na Fire Technology Section

SIGNED FOR THE COMPANY
BY John Lomash

John Lomash
Assistant Vice President

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 procedures 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° ± 5°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°F ± 5°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.

United States Testing Company, Inc.

FLAME SPREAD

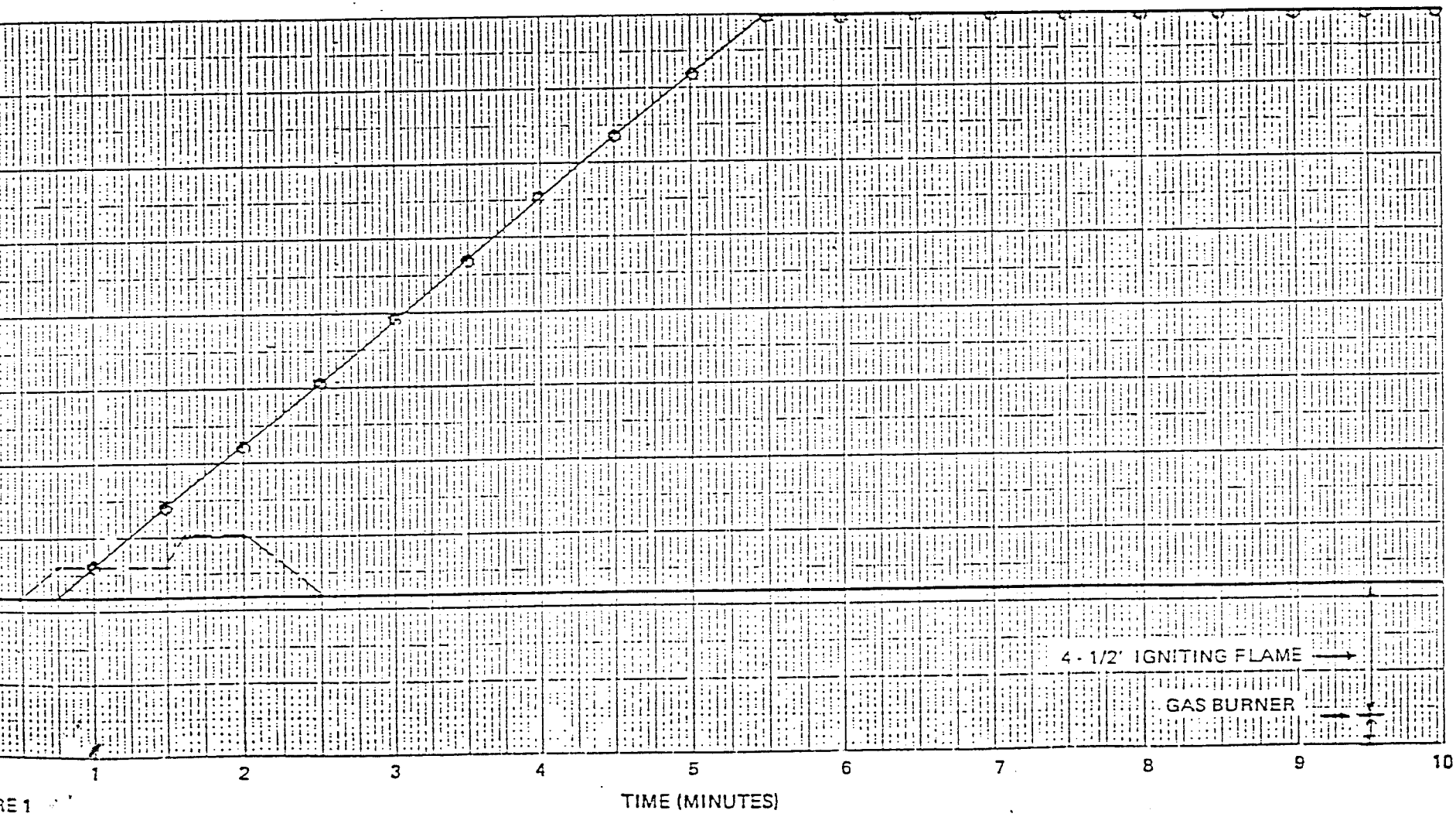
TEST NO. 87753

TEST DATE 5/17/84

SAMPLE Sanfoot Wallcovering

RED OAK 0 0

A.C. BOARD



RE 1

United States Testing Company, Inc.

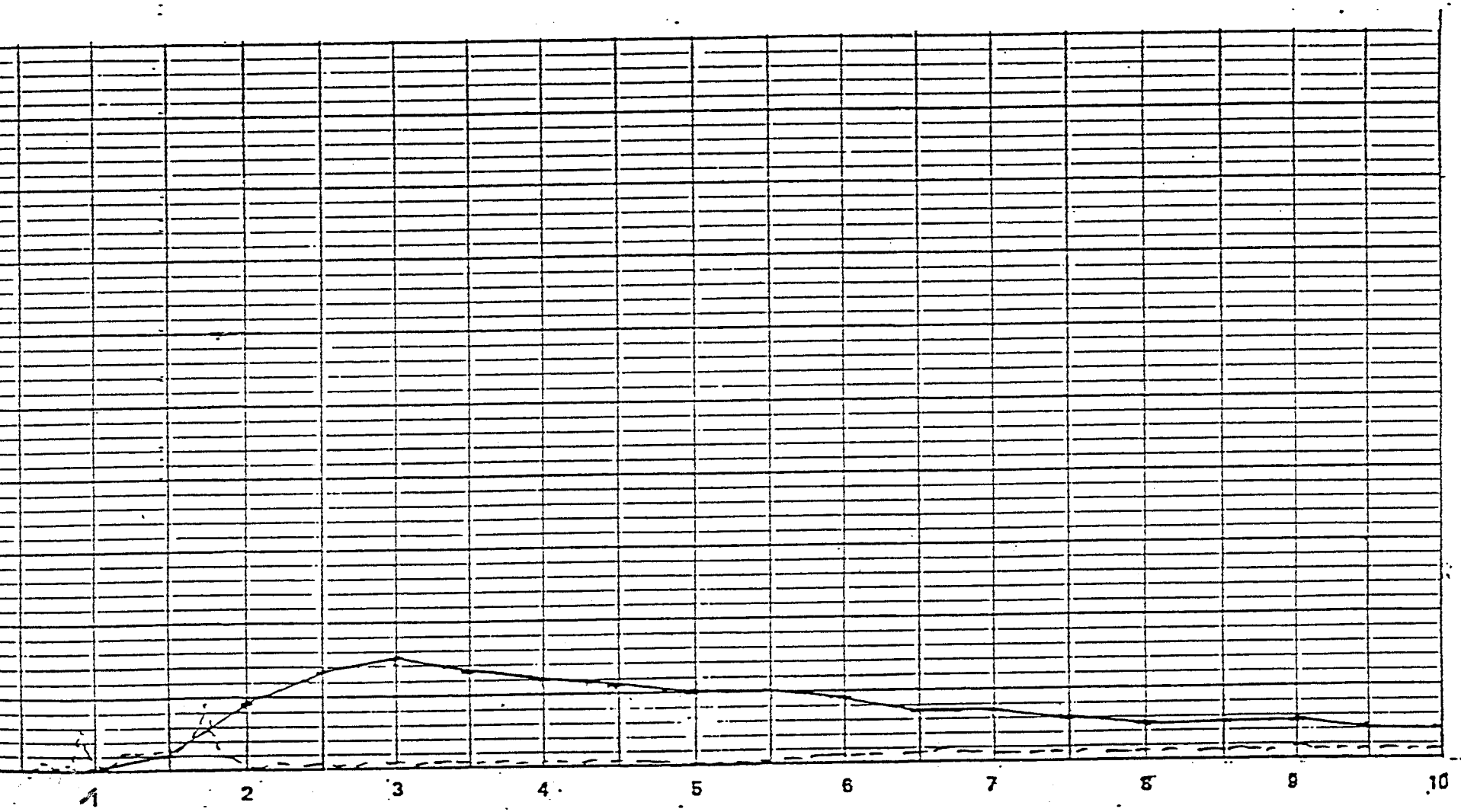
SMOKE DEVELOPED

SAMPLE ~~Sanfoot Wallcovering~~

RED OAK _____ + _____ + _____

TEST NO. 87753

TEST DATE 5/17/84



E 2

United States Testing Company, Inc.

TIME TEMPERATURE CURVE
OF EXPOSED THERMOCOUPLE

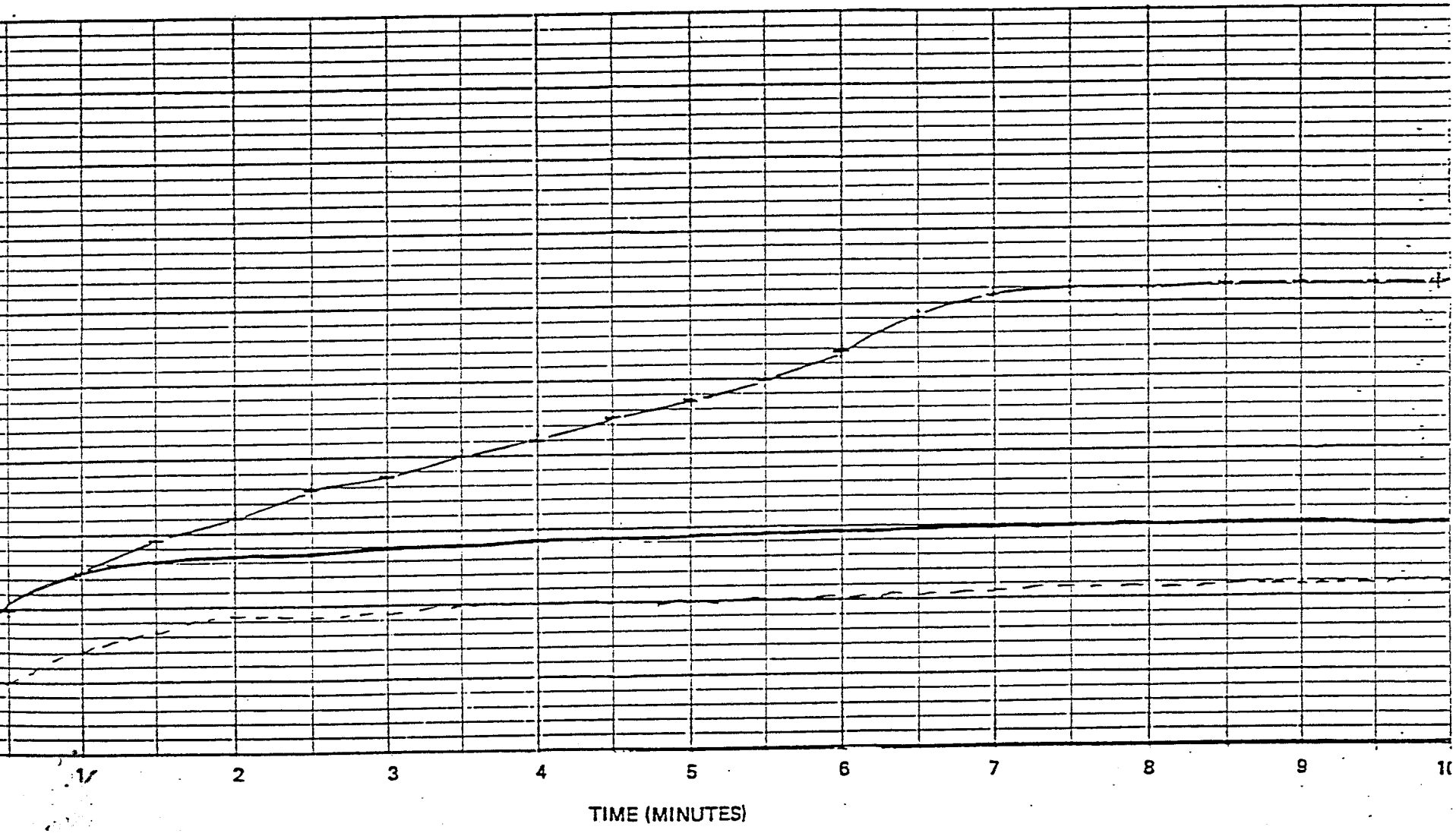
TEST NO. 87753

TEST DATE 5/17/84

SAMPLE Sanfoot Wallcovering

A. C. BOARD _____

RED OAK _____ + _____ + _____



United States Testing Company, Inc.

FLAME SPREAD

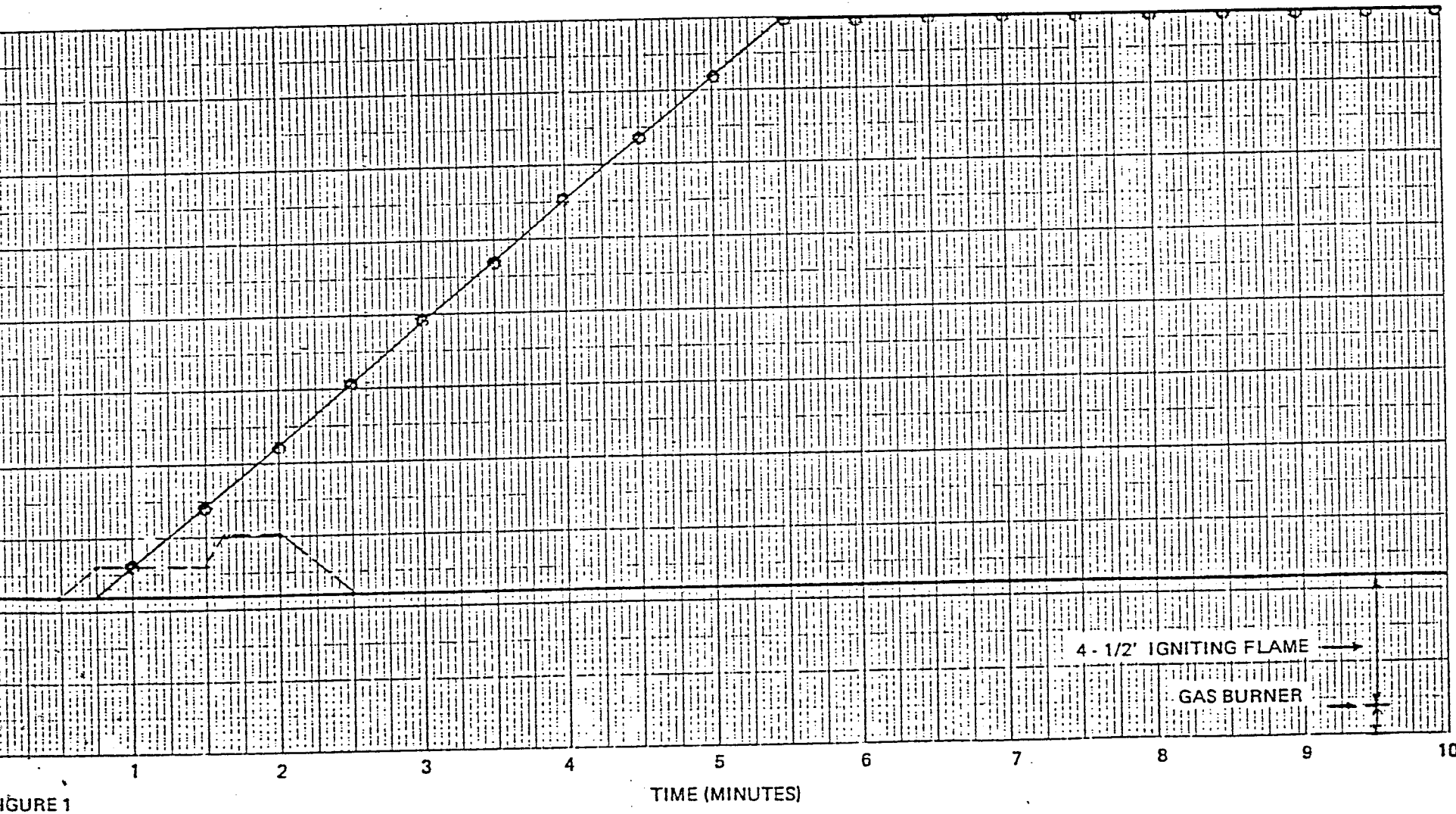
TEST NO. 87753

TEST DATE 5/17/84

SAMPLE Sanfoot Wallcovering

RED OAK _____ 0 _____ 0 _____

A.C. BOARD _____



IGURE 1

United States Testing Company, Inc.

SMOKE DEVELOPED

SAMPLE Sanfoot Wallcovering

RED OAK _____ + _____ + _____

TEST NO. 87753

TEST DATE 5/17/84

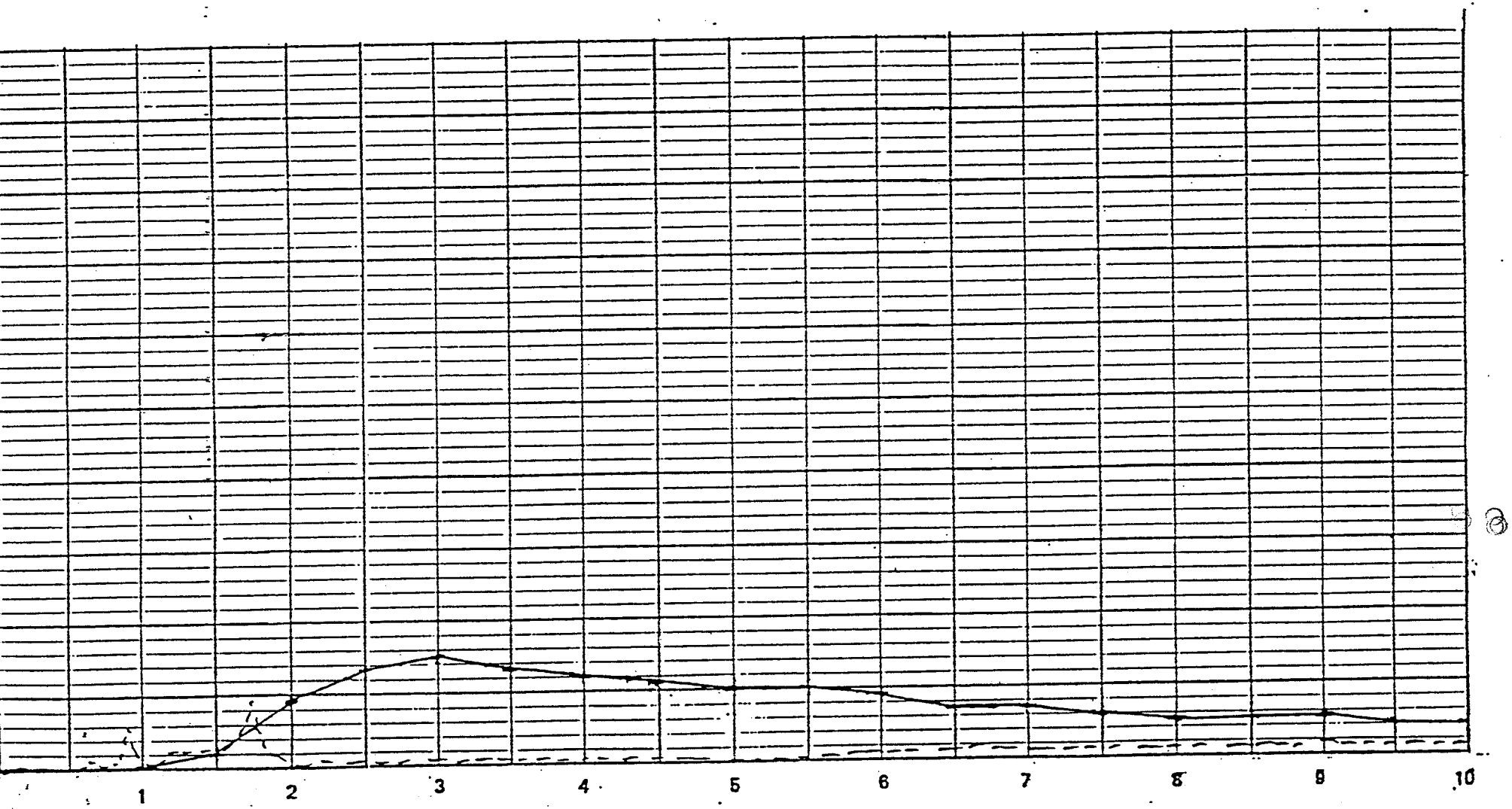


FIGURE 2

United States Testing Company, Inc.

TIME TEMPERATURE CURVE
OF EXPOSED THERMOCOUPLE

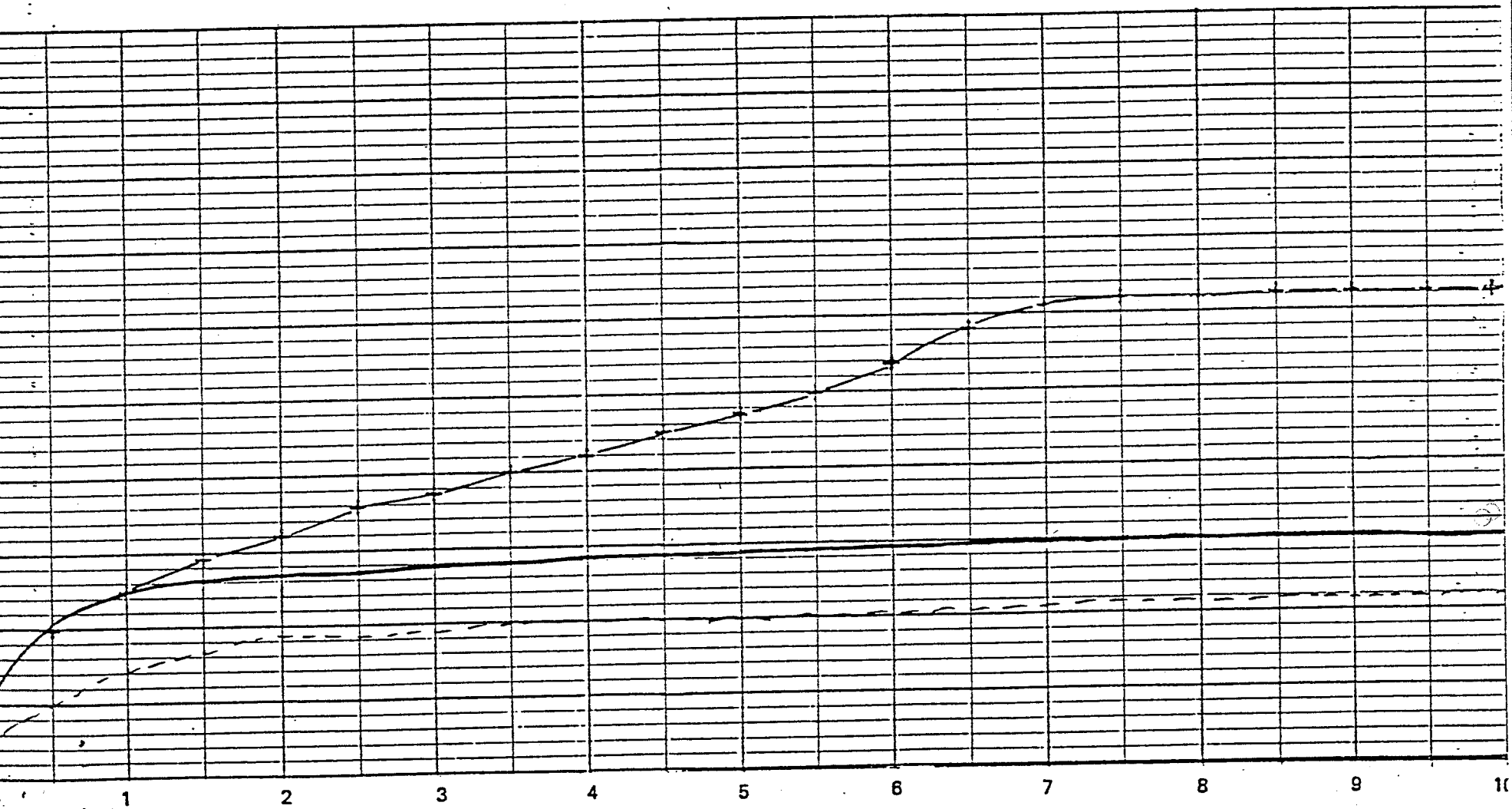
TEST NO. 87753

TEST DATE 5/17/84

A. C. BOARD _____

SAMPLE -- Sanfoot Wallcovering --

RED OAK _____ + _____ + _____



RE 3