



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems

FACTORY MUTUAL RESEARCH CORPORATION

ASTM E-84 TEST FILE: STO55D

TEST IDENTIFICATION

DATE: 02/24/93

SAMPLE NO: BBC-13

LIBRARY CATALOG NUMBER:
4820

J.I. NUMBER: 0X2Q0.AM

RUN NUMBER: 1

PERSONNEL: OPERATOR: M.D.
PROJECT ENGINEER: T.M. CHESTNUT

OBSERVER: F.J.C.

CLIENT INFORMATION

RENDERED BY MANUFACTURER AND RELEASED TO:
ACOUSTICAL SURFACES, INC.
123 COLUMBIA COURT NORTH
CHASKA, MN 55318

CONTACT: TEL. #: 1-800-448-0121

TEST SPECIMEN

THICKNESS: 1"

DENSITY: lb/cu/ft

DAYS CONDITIONED: 7

JOINTS: NONE

EXPOSED SURFACE: QUILTED ACOUSTICAL
BLANKET

METHOD OF SUPPORT: LAID ON LEDGE WITH
RODS

QUILTED ACOUSTICAL BLANKET

COLOR: ALUMINUM

LENGTH: 1 PCS. 24' LNG.

ADDITIONAL DATA

TIME: 00:00:00.000
4.5 104.1 94.2 58.3 .644

FLAME SPREAD INDEX: 22.784

SMOKE DENSITY INDEX: 30.561



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TEST NAME: STO55D

TEST RESULTS

FLAME SPREAD INDEX: 22.784

MAXIMUM FLAME SPREAD DISTANCE: 9.0

MV-MIN: 25.941

SMOKE DENSITY INDEX: 30.561

CALIBRATION FACTOR FOR GAS METER: .312

MIN-FT: 44.242

TIME: 00:19

RED OAK MV-MIN: .849

OBSERVATIONS

---DURING TEST---

TIME OF MATERIAL IGNITION: 02 SEC.

DELAMINATION: 0 MIN.

SAGGING: 0 MIN.

FALLOUT: 0 SEC.

BURNING AT FLOOR, TIME: 0

BURNING AT FLOOR, DISTANCE: 0'

---AFTER TEST---

CHAR, LENGTH: 20'

DEPTH OF CHAR: 0

CRACKING: 0'

SEVERE CHAR: 9'

SMOKE COUNT 0

BURN THROUGH AT

The material tested is not manufactured under the factory mutual follow-up inspection and re-examination program; Therefore, the manufacturer can not use the Factory Mutual name for marking or advertising the material.

The product is not approved, unless separately listed in the Factory Mutual Approval Guide for specific end-use application.

Caution: these numerical flame spread and smoke density values are not intended to reflect the hazards presented by this or any material under actual fire conditions.

The products of combustion were not analyzed nor is it required by the ASTM E-84 method.

The ASTM E-84 Test Method subjects materials to limited fire conditions when tested in a horizontal ceiling application. The test results may not indicate the material's actual burning characteristics when field installed in a vertical position.

Also, the sample mounting prescribed in this test method may not produce a fire behavior representative of actual building fires.



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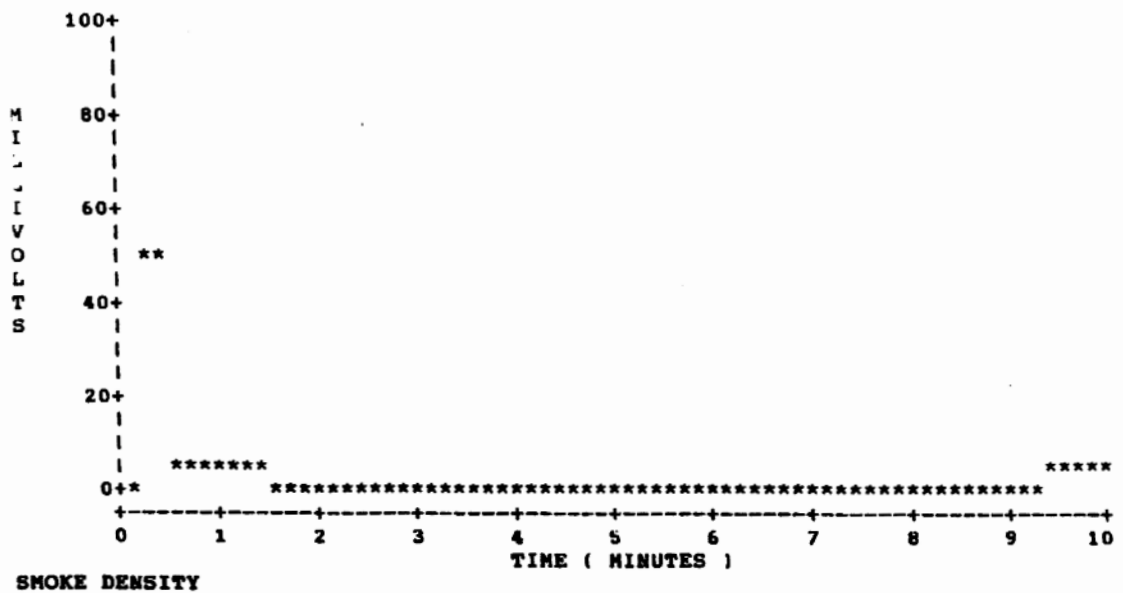
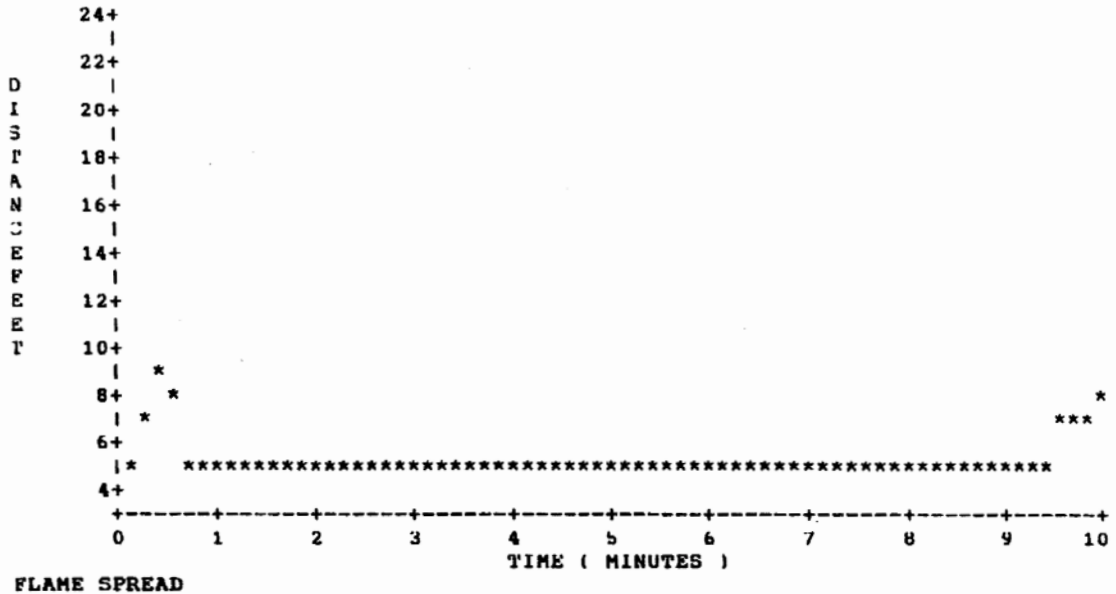
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TEST NAME: \$T055B



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- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
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