



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 Problem

FACTORY MUTUAL RESEARCH CORPORATION

ASTM E-84 TEST FILE: ST055D

TEST IDENTIFICATION

DATE: 02/24/93

SAMPLE NO: B-10 Lag/QFA-3

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

CLIENT:

Rendered by Manufacturer and Released to:
Acoustical Surfaces, Inc.
123 Columbia Court North, Suite 201
Chaska, MN 55318

TEST SPECIMEN

THICKNESS: 1"

DENSITY: lb/cu/ft

DAYS CONDITIONED: 7

JOINTS: NONE

EXPOSED SURFACE: quilted acoustical
blanket-glass face to fire

METHOD OF SUPPORT: laid on ledge with
rods

QUILTED ACOUSTICAL BLANKET

COLOR: WHITE

LENGTH: 1 PCS. 24' LNG.

ADDITIONAL DATA

TIME: 00:00:00.000

4.5 112.6 93.9 57.4 1.173

FLAME SPREAD INDEX: 12.523

SMOKE DENSITY INDEX: 19.499



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TEST NAME: STO55D

TEST RESULTS

FLAME SPREAD INDEX:	12.523		
MAXIMUM FLAME SPREAD DISTANCE:	9.5		
MV-MIN:	16.551	MIN-FT:	24.317
SMOKE DENSITY INDEX:	19.499	TIME:	08:55
CALIBRATION FACTOR FOR GAS		RED OAK MV-MIN:	.849
METER:	.312		

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:

CRACKING: 0'

SEVERE CHAR: 8'

SMOKE COUNT 0

BURN THROUGH AT 4.5'

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.

Test supervised and reported by:

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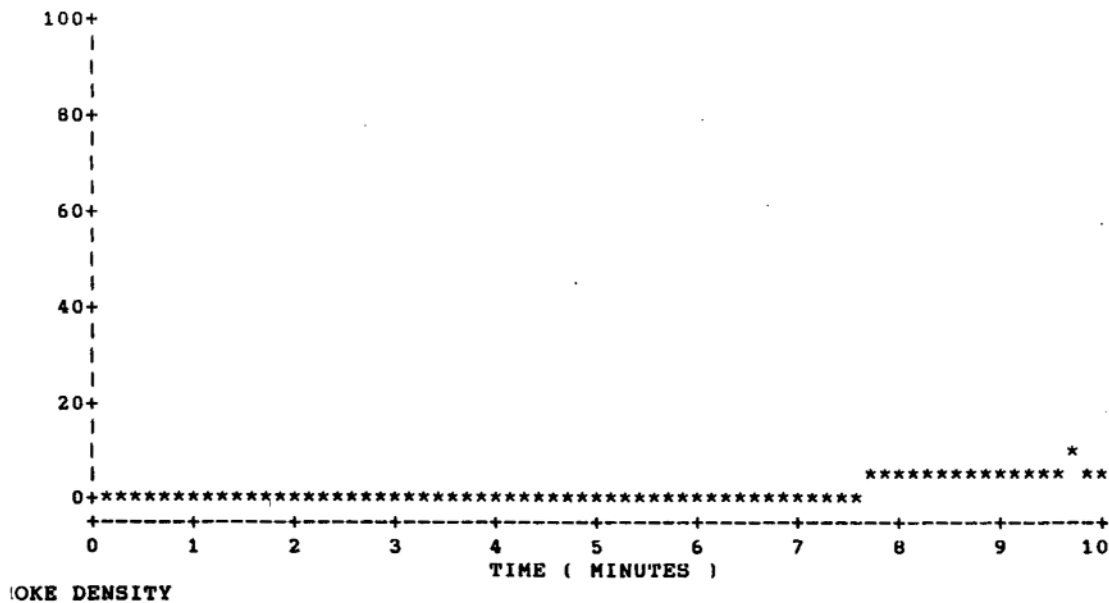
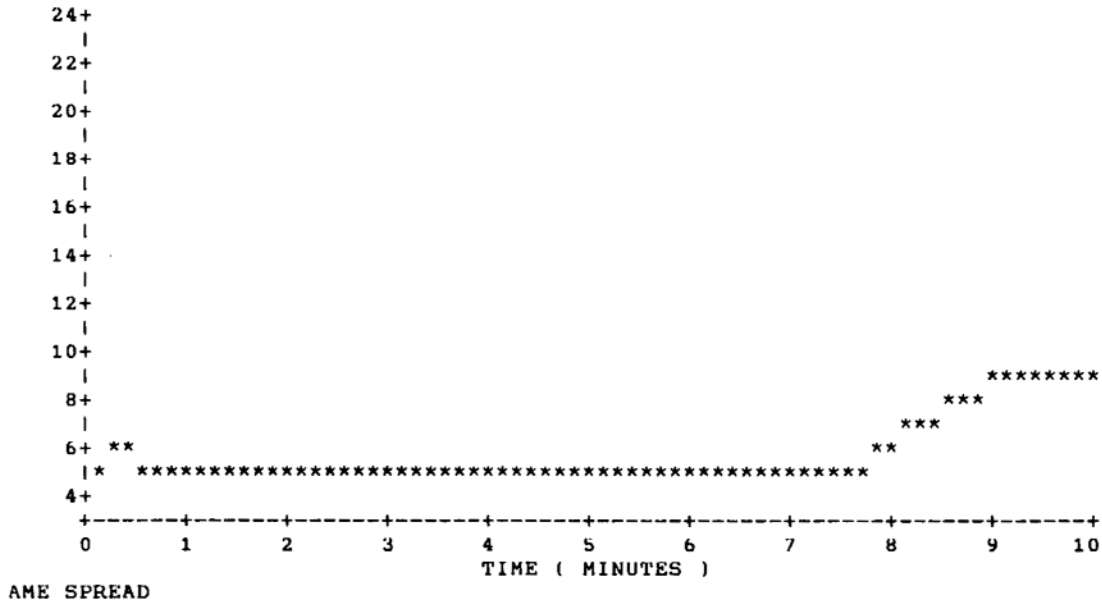
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TEST NAME: ST055C



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