

FACTORY MUTUAL RESEARCH CORPORATION

ASTM E-84 TEST FILE: ST055D

TEST IDENTIFICATION

DATE: 02/24/93

SAMPLE NO: QFA-10

LIBRARY CATALOG NUMBER:
4820

J.I. NUMBER: 0T5Q9.AC

RUN NUMBER: 1

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

OBSERVER: RM

CLIENT INFORMATION

CLIENT: UNITED PROCESS, INC./SOUND SEAL
STREET: & P.O.: P.O. 545
50 H.P. ALMGREN DR.
AGAWAM, MA 01001

CONTACT: RICH MULCAHY

TEL. #: (413) 789-1770

TEST SPECIMEN

THICKNESS: 2"

DENSITY: 2.0 lb/cu/ft

DAYS CONDITIONED: 7

JOINTS: NONE

EXPOSED SURFACE: QUILTED ACOUSTICAL
BLANKET

METHOD OF SUPPORT: RODS EVERY 2'

COLOR: GREY

LENGTH: 1 PCS. 24' LNG.

ADDITIONAL DATA

TIME: 00:00:00.000

4.5 108.8 106.4 82.7 7.232

TEST NAME: STO55D

TEST RESULTS

FLAME SPREAD INDEX: 17.66	
MAXIMUM FLAME SPREAD DISTANCE: 8.0	
MV-MIN:21	MIN-FT: 34.29
SMOKE DENSITY INDEX: 22.75	TIME: 00:20
	RED OAK MV-MIN: .894

OBSERVATIONS

---DURING TEST---

TIME OF MATERIAL IGNITION: 5 SEC.
DELAMINATION: 0
SAGGING: 0
FALLOUT: 0
BURNING AT FLOOR, TIME: 0
BURNING AT FLOOR, DISTANCE: 0'

---AFTER TEST---

CHAR, LENGTH: 4'
DEPTH OF CHAR: 0
CRACKING: 0'

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 NAME : ST115B

J.1. NUMBER: 0T5Q9.AC

