

**FACTORY MUTUAL RESEARCH CORPORATION**

**ASTM E-84 TEST FILE: STO55D**

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: ALL NOISE CONTROL  
STREET: 2731 Vista Parkway  
WPB FL 33411

CONTACT: Sam S.

TEL. #: (561) 964-9360

TEST SPECIMEN

THICKNESS: 1"

DENSITY: lb/cu/ft

DAYSCONDITIONED: 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

## 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 cannot 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:



TEST NAME: ST055C

