TEST REPORT

FOR

TRANSWALL OFFICE SYSTEMS, Inc.

1220 Wilson Drive
West Chester, PA 19380

Surface Burning Characteristics of Building Materials

ASTM E – 84-11a

Test Report No: FH-2276

Assignment No: H-879

Test Date: 2/22/2012

Report Date: 2/23/2012

Subject Material: ACOUSTICAP Fabric Backed- all natural fiber adhered to steel sheet substrate.

Prepared by: _____

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Reviewed by: _____

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Director, Laboratory Facilities
and Testing Services

MATERIAL TESTED:

Material submitted by Transwall Office Systems, Inc., West Chester, PA, , was identified and described by the client as:

ACOUSTICAP

Fabric backed, all natural fiber, adhered to sheet steel.

The FABRIC was exposed to the fire.

The material was submitted nom. 1/2" thick x 24 in. wide x 48 in. long.

METHOD OF SUPPORT:

The specimen panels were placed with the fabric backing exposed, atop 1/4 in. diameter steel rods spaced 24 in. on center, the length of the chamber. The

The six specimen panels were placed end to end, and butted tightly together, to achieve the required 24 ft. length.

LID PROTECTION:

1/4 in. thick non-combustible fiber reinforced cement board was placed over the specimen as lid protection.

RESULTS:

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The results can be found on page 3 of this report.

RESULTS:

TEST NO.	MATERIAL TESTED	SIDE EXPOSED	SUPPORT	CALCULATED FLAME SPREAD	CALCULATED SMOKE DEVELOPED
1	ACOUSTICAP Fabric Backed-all natural fiber adhered to steel sheet	FABRIC	1/4" RODS	26.70	48.52

MATERIAL TESTED	SIDE EXPOSED	SUPPORT	FLAME SPREAD INDEX *	SMOKE DEVELOPED INDEX*
RED OAK FLOORING	NA	DECKS	100	100
REINFORCED CEMENT BOARD	NA	SELF	0	0
ACOUSTICAP Fabric Backed-all natural fiber adhered to steel sheet	FABRIC	1/4" RODS	**25**	**50**

* Flame Spread/Smoke Developed Index is the result (or average of the results of multiple tests), rounded to the nearest multiple of 5. Smoke Developed in excess of 200, rounded to the nearest 50.

CLASSIFICATION	FSI	SDI
CLASS "A"	< 25	0 - 450
CLASS "B"	26 - 75	0 - 450
CLASS "C"	76 - 200	0 - 450

Fire Testing Laboratory

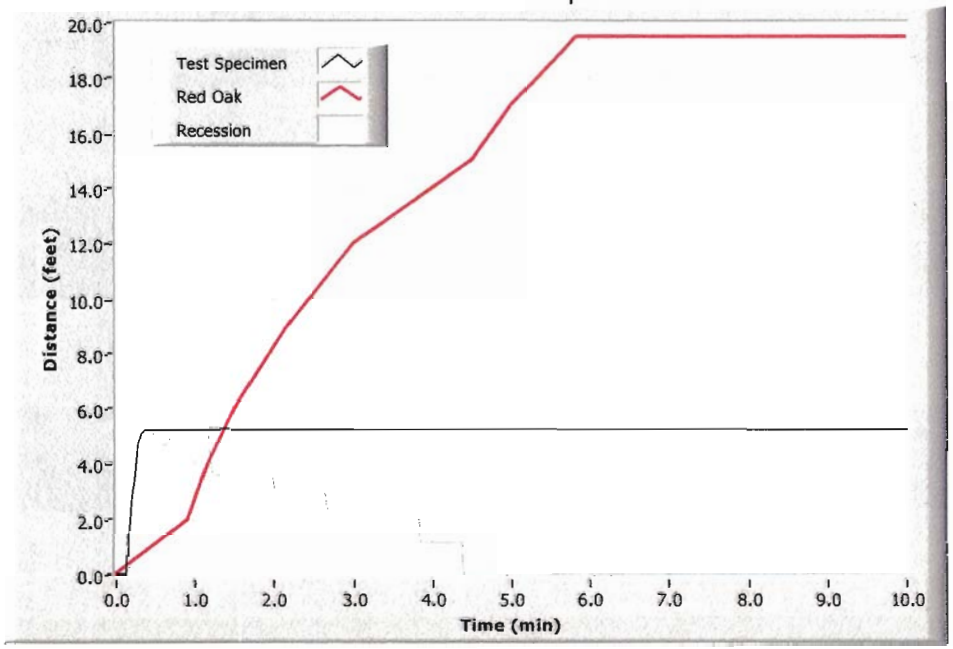
TEST#: FH-2276 DATE: 2/22/2012

TEST METHOD: ASTM-E84-11a

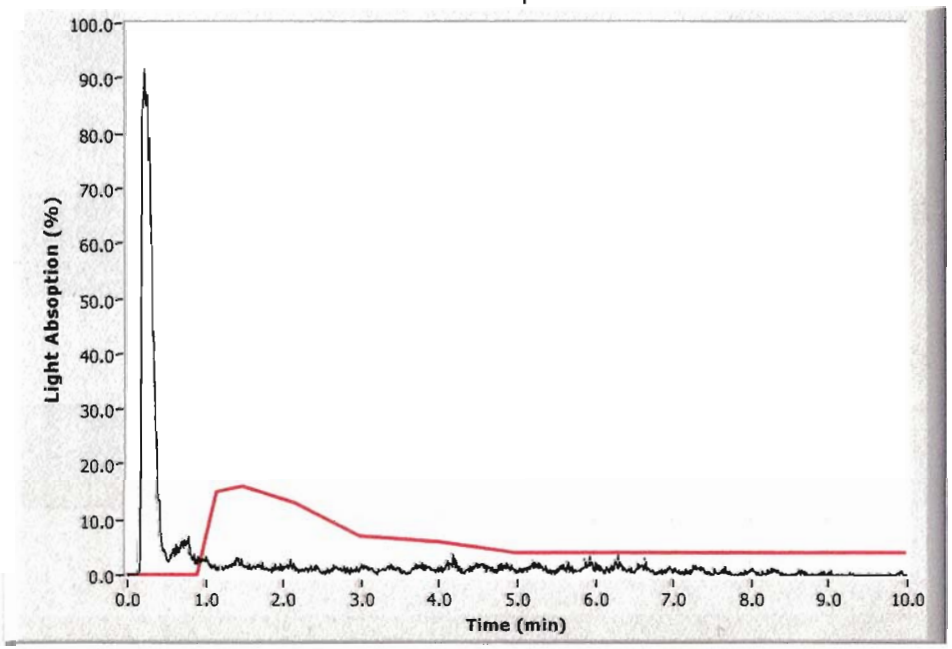
CLIENT: Transwall Office Systems, Inc.
PROJECT#: H-879
SAMPLE: Acousticap
MATERIAL: (6) 1/2" x 24" x 48" panels
SUPPORT: Rods
REMARKS: Backed all Natural Fiber Adhered to a Flat Substrate
Ignition Time: 0:03
Max Flame Front:5.29 FT. @ 0:56

ADC DRAFT (IN. H2O)	0.080
GAS PRESS. (IN. H2O)	0.291
GAS VOL (CF)	50.40
BTU/cf	1020
SHUTTER (IN.)	3.00
TEMP. 13' BURIED	105 F
Flame Spread:	26.70
Area under Flame Curve (ft-min):	51.84
Smoke Developed:	48.52
Area under Smoke Curve (%A-min):	24.75

Flame Spread



Smoke Developed



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