intertek
Total Quality. Assured.

FABRITRAK SYSTEMS, INC.
FIRE TEST REPORT

SCOPE OF WORK
ASTM E84 TESTING ON POLYESTER INFILL

REPORT NUMBER
H5200.01-121-24

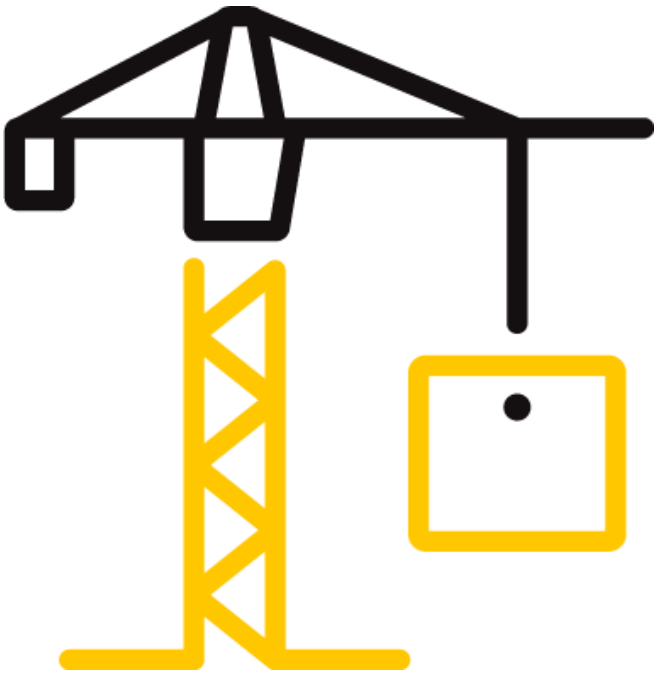
TEST DATE
08/31/17

ISSUE DATE
09/20/17

RECORD RETENTION END DATE
08/31/21

PAGES
9

DOCUMENT CONTROL NUMBER
ATI 00537 (07/24/17)
RT-R-AMER-Test-2780



130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FABRITRAK SYSTEMS, INC.
Report No.: H5200.01-121-24
Date: 09/20/17

REPORT ISSUED TO

FabriTrak Systems, Inc.
111 West Park Drive
Mt. Laurel, New Jersey 08054

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by FabriTrak Systems, Inc., Mt. Laurel, New Jersey to evaluate the flame spread and smoke developed properties of polyester infill. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania. Results obtained are tested values and were secured by using the designated test method(s). A summary of test results and the complete graphical test data is reported herein.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

Product Type: Polyester Infill
Series/Model: Terra Core Poly B™

ASTM E84 Test Results

FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
0	120

For INTERTEK B&C:

COMPLETED BY:	Ben Samson	**REVIEWED BY:**	Ethan Grove
TITLE:	Technician – Fire Testing	**TITLE:**	Manager – Fire Testing
SIGNATURE:	Digitally Signed by: Benjamin Samson	**SIGNATURE:**	Digitally Signed for: Ethan Grove by Dottie R. Rushing
DATE:	09/20/17	**DATE:**	09/20/17

BTS:ddr

Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FABRITRAK SYSTEMS, INC.
Report No.: H5200.01-121-24
Date: 09/20/17

SECTION 3
TEST METHOD

The specimens were evaluated in accordance with the following:

ASTM E84-16, *Standard Test Method for Surface Burning Characteristics of Building Materials*

SECTION 4
MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client.

SECTION 5
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Ben Samson	Intertek B&C
Tim Feltman	Intertek B&C

SECTION 6
TEST PROCEDURE

The Steiner Tunnel test apparatus is used to evaluate the surface burning characteristics and smoke development of building materials. The apparatus is considered to be under calibrated conditions when the flame front reaches the end of the tunnel within 5 minutes and 30 seconds (plus or minus 15 seconds) during a red oak test. An initial preheat of the tunnel is performed and the test specimen is installed when the tunnel temperature drops to 105°F ± 5°F. When the test is initiated, the 88 KW dual burner and 240 feet per minute air current creates a flame that extends 4.5 feet down the tunnel. The flame progression is tracked from this point to the exhaust end of the tunnel which is 19.5 feet downstream. An observer simultaneously notes any test specimen anomalies such as melting, dripping, sagging, delamination, fall-out, etc. The smoke that is generated during the test is measured by a photometer. The flame spread and smoke developed data are automatically logged and graphed versus time by a data acquisition and computer system. The Flame Spread Index (FSI) and the Smoke Developed Index (SDI) are based on an area under the curve calculation and the red oak flooring calibration data.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FABRITRAK SYSTEMS, INC.
Report No.: H5200.01-121-24
Date: 09/20/17

SECTION 7
TEST SPECIMEN DESCRIPTION

MANUFACTURER*	FabriTrak Systems, Inc.
PRODUCT TYPE*	Polyester Infill
SERIES/MODEL*	Terra Core Poly B™
COMPOSITION*	100% Polyester
CONDITIONING TIME	48 hr.
SPECIMEN SIZE	23-1/2 in. wide 47-1/2 in. long
THICKNESS	1 in.
SPECIMEN SECTIONS	6
TOTAL WEIGHT	1.6 lbs.
COLOR	White
SIDE TO FLAME*	Non-labelled side
SUPPORT USED*	Material was self-supporting
MOUNTING METHOD	Material was self-supporting
SUBSTRATE USED*	No substrate was utilized
CEMENT BOARD	1/4 in. thick fiber cement board was placed on top of the sample.

*From the client's material description and/or instructions
Note: Specimens were conditioned as per the requirements of Section 6.4 of ASTM E84.

SECTION 8
CODES AND REGULATIONS

The 2015 International Building Code® (Chapter 8 Interior Finishes, Section 803 Wall and Ceiling Finishes) and NFPA 5000, (Chapter 10 Interior Wall or Ceiling Finish Testing and Classification) classify materials based on their Flame Spread and Smoke Developed indices. The classification criteria are listed below:

CLASSIFICATION	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
A	0-25	0-450
B	26-75	0-450
C	76-200	0-450

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FABRITRAK SYSTEMS, INC.
Report No.: H5200.01-121-24
Date: 09/20/17

SECTION 9
TEST RESULTS

TEST RESULTS	
Test Date	08/31/17
Test Operator	Ben Samson
Flame Spread Index (FSI)	0
Smoke Developed Index (SDI)	120
Red Oak Calibration (% * Min)	101.62

TEST DATA	
FSI (unrounded)	0.0
SDI (unrounded)	120.6
FS * Time Area (Ft * Min)	0.0
Smoke Area (% * Min)	122.5
Fuel Area (°F * Min)	4970.7

OBSERVATIONS	
Ignition Time	00:09(Min:Sec)
Max Flame Front Advance	0.0 Feet
Time to Max Flame Front	00:00(Min:Sec)
Max Temp At Exposed T/C	603.8°F
Time To Max Temp	09:57(Min:Sec)
Dripping Observed	00:10(Min:Sec)
Flaming On Floor Observed	05:23(Min:Sec)
After Flame Top Observed	None
After Flame Floor Observed	10:03(Min:Sec)
Sagging Observed	None
Delamination Observed	None
Shrinkage Observed	None
Fallout Observed	None
Cracking Observed	None
Observations After the Test	None

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 10
PHOTOGRAPHS

Photo No. 1
Exposed Surface of the Test Specimen (Pre-test)

Photo No. 2
Unexposed Surface of the Test Specimen (Pre-test)

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 8 (Continued)
PHOTOGRAPHS

Photo No. 3
Unexposed Surface of the Test Specimen (Post-test)

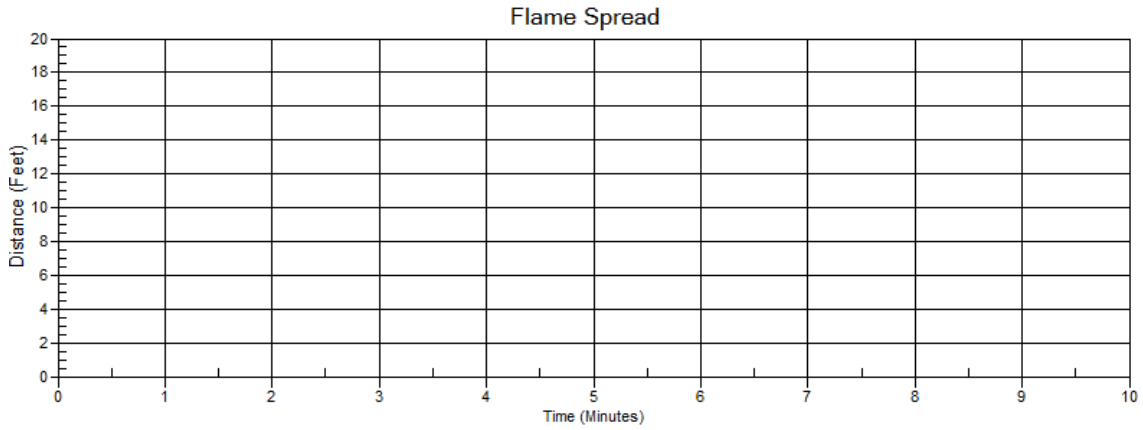
Total Quality. Assured.

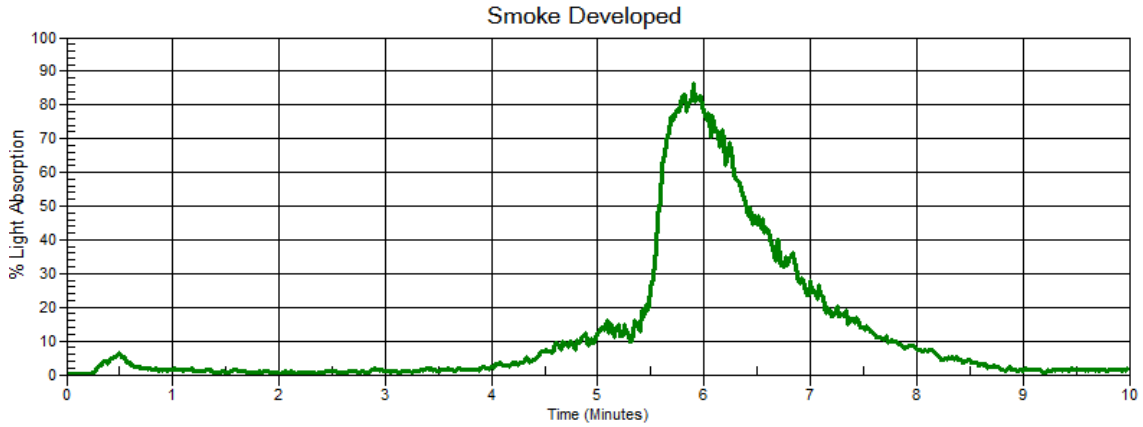
130 Derry Court
York, Pennsylvania 17406

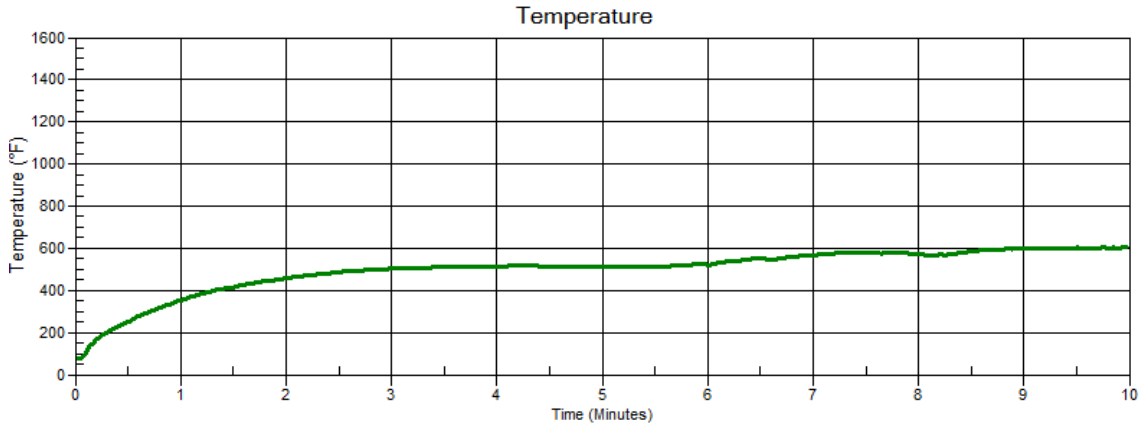
Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR FABRITRAK SYSTEMS, INC.
Report No.: H5200.01-121-24
Date: 09/20/17

SECTION 9
GRAPHS







130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

SECTION 10
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/20/17	N/A	Original Report Issue