



AMERICAN FLAMECOAT INC.

520 Eagleton Downs Drive - D
Pineville, NC 28134
O: 704.405.2550
F: 704.543.9772
www.americanflamecoat.com

Client: iVekter Inc.
825 Trillium Drive
Kitchener ON N2R 1J9

Standard Method of Test for Surface Burning Characteristics of Building Materials
A.S.T.M. E84
Test Report No: 65815
Test No: Iv-Ez18-0618
Date: August 17, 2018

The sample submitted by the client as: iVekter Inc. 12mm Ezobord - Silver Grey - treated with
FLAMECOAT & FIBERCARE

DATE OF RECEIPT: 08.06.2018

TESTING PERIOD: 10 DAYS

TEST REQUESTED: The submitted sample was tested for flammability in
Accordance with the procedures outlined in ASTM E-84-98.

SIGNED





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INTRODUCTION:

This report presents test results of Flame Spread and Smoke Developed Value per ASTM E-84-98. The report also includes Material Identification, Method of Preparation, Mounting and Conditioning of the specimens.

The tests were performed in accordance with the specifications set forth in ASTM E-84, Standard Test Method for Surface Burning Characteristics of Building Materials, both as to equipment and test procedures. This test procedure is similar to UL-723, ANSI NO. 2.5, NFPA No. 255 and UBC 42-1.

The test results cover two parameters: Flame Spread and Smoke Developed Values during the 10-minute fire exposure. Inorganic cement board and red oak flooring are used as comparative standards and their responses are assigned arbitrary values of 0 and 100 respectively.

PREPARATION AND CONDITIONING: Treated with FLAMECOAT & FIBERCARE

The test sample identified as iVekter Inc. 12mm Ezobord - Silver Grey – treated with FLAMECOAT & FIBERCARE, an acoustical panel measuring 24” wide by 24’ spanning the length of the tunnel. The panels were self-supporting and required no additional sample preparation. The samples maintained a temperature of 71 +/- 2°F and the relative humidity at 50+/- 5%.

TEST PROCEDURE: no auxiliary support mechanism was required

The tunnel was thoroughly pre-heated by burning natural gas. When the brick temperature, sensed by a floor thermocouple, had reached the prescribed 105 Fahrenheit +/- 5 Fahrenheit level, the sample was inserted in the tunnel and a test conducted in accordance with the standard ASTM E-84-98 procedures.

The operation of the tunnel was checked by performing a 10-minute test with inorganic board of the day of the test.

This test sample ***meets** the A.S.T.M. E-84 Standard

This test sample ***meets** the N.F.P.A. LIFE SAFETY CODE 101.



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TEST RESULTS:

The test results calculated in accordance with ASTM E-84 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen: iVekter Inc. 12mm Ezobord - Silver Grey – treated with FLAMECOAT & FIBERCARE

Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II	0	0
Red Oak Flooring	100	100
iVekter Inc. 12mm Ezobord - Silver Grey – treated with FLAMECOAT & FIBERCARE	20	225

Observation: Tested Fabric Meets the Requirements for ASTM E-84

Rating: Class A

The National Fire Protection Association Life Safety Code 101, Section 6-5.3, “Interior Wall and Ceiling Finish Classification”, has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, “Method of Test of Surface Burning Characteristics of Building Materials”, (ASTM E-84)

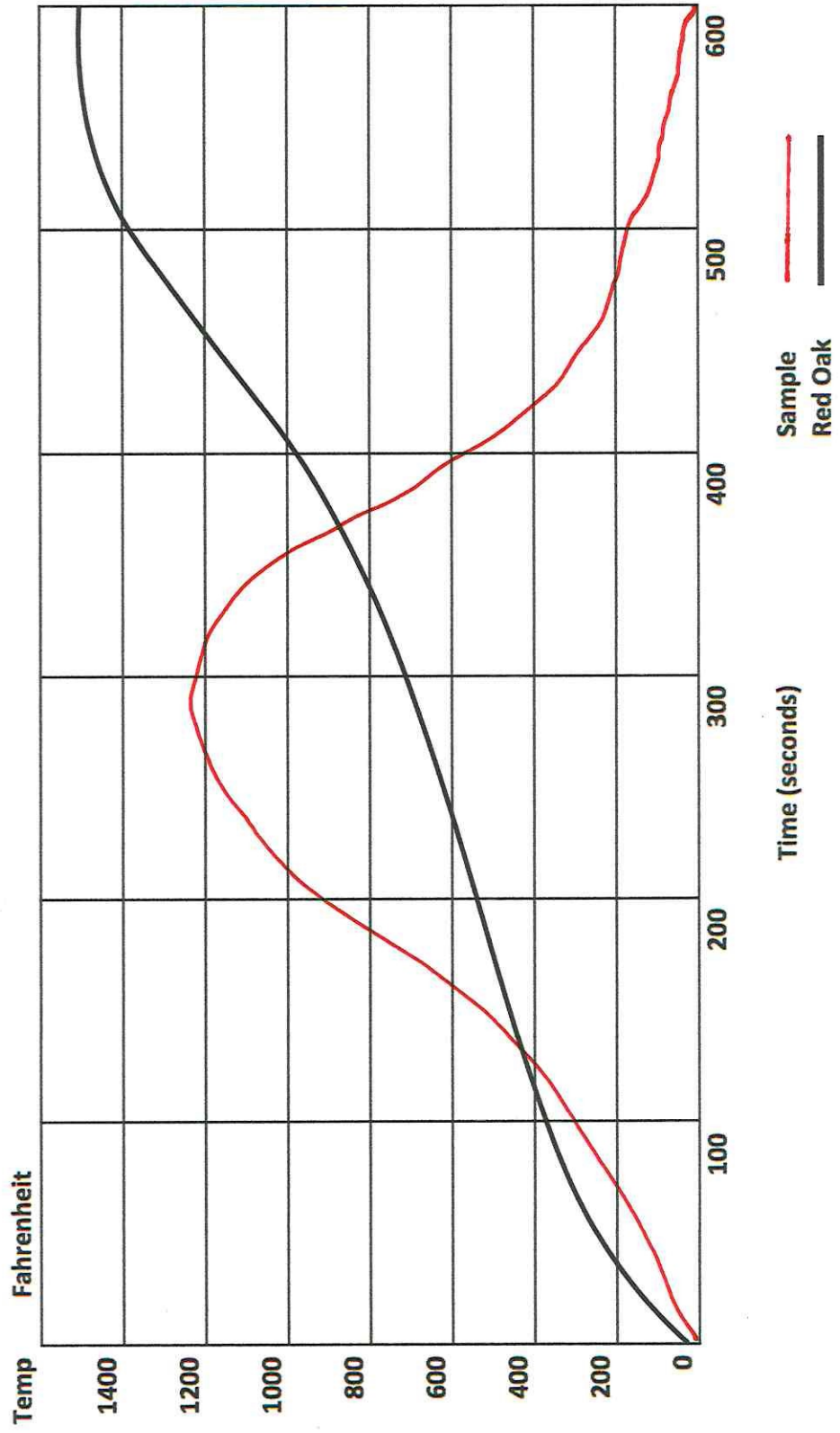
The classifications are as follows:

Class A Interior Wall & Ceiling Finish:	Flame Spread-	0-25
	Smoke Developed-	0-450
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	Smoke Developed-	0-450

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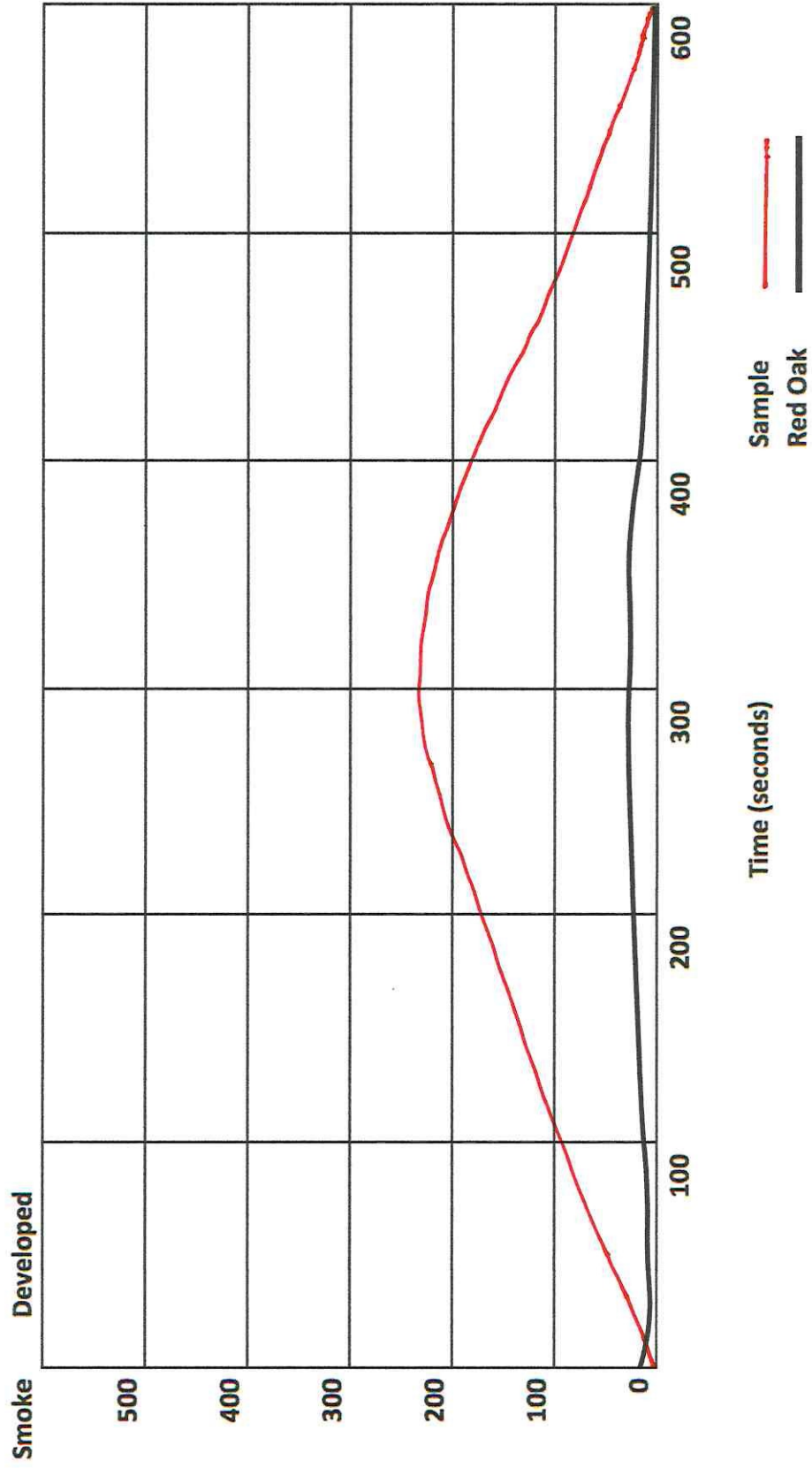
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