





## AMERICAN FLAMECOAT INC.

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

Client:  
ARTE NV  
INDUSTRIEZONE "DE WAERDE"  
SENATOR A. JEURISSENLAAN 1210  
BE-3520 ZONHOVEN, BELGIUM

Date: 03.05.2021

### **INTRODUCTION:**

This report presents test results of Flame Spread and Smoke Developed Value per ASTM E-84-19. 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-84-19, 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:**

The test sample identified as ARTE NV – ICONS – TESTED ITEM: 85552 – ADHERED was prepared by adhering the material to 5/8" gypsum board glued using Arte clear Pro-5 wallcovering adhesive. This method of sample preparation is described in ASTM E2404-15A, standard practice.

### **TEST PROCEDURE: Adhered**

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-84-19 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-84-19 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-84-19 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen: ARTE NV – ICONS – TESTED ITEM: 85552 - ADHERED

Flame Index = 10  
Smoke Developed Value = 90

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

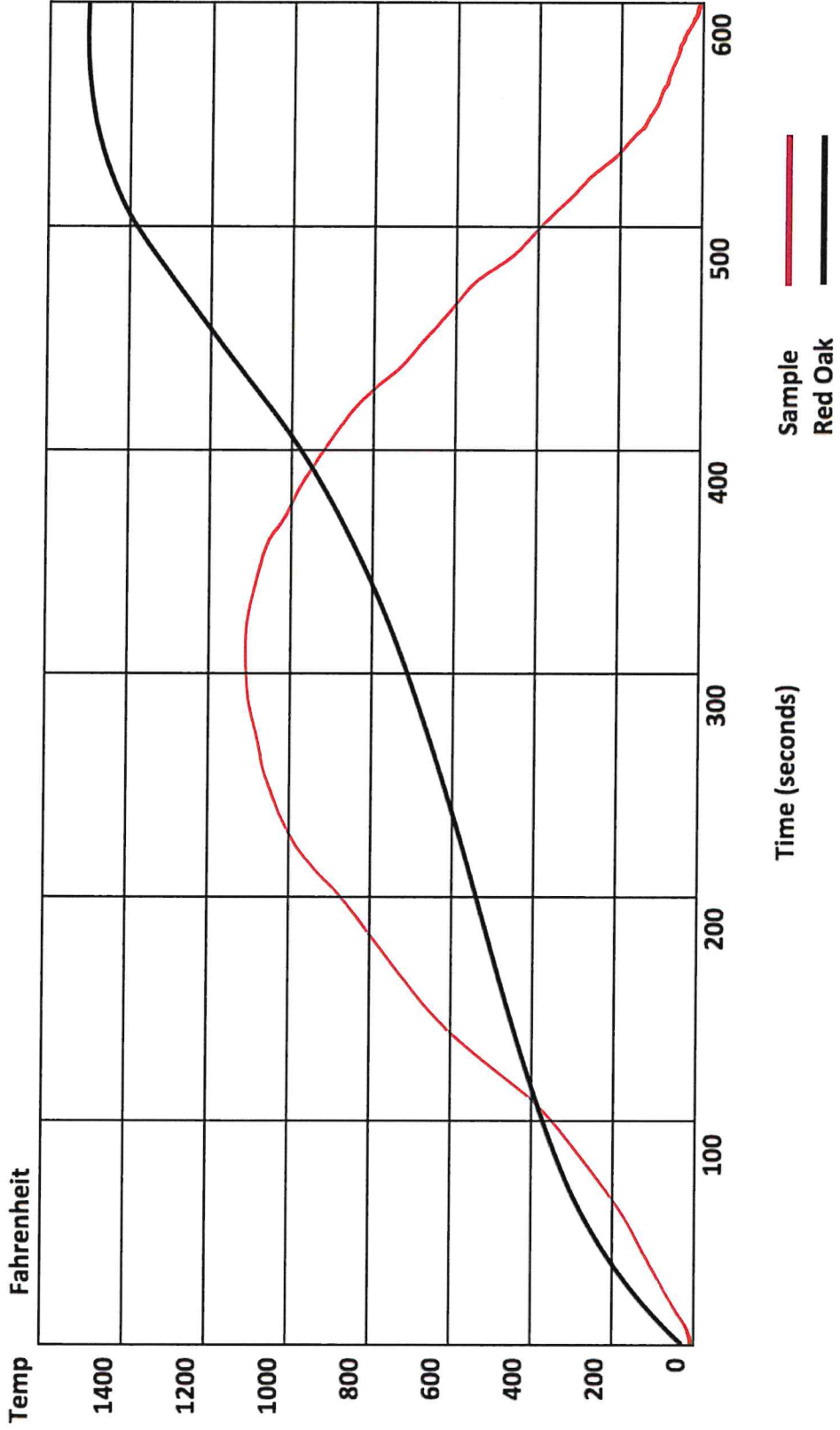
## **Rating: Class A**

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-84-19)

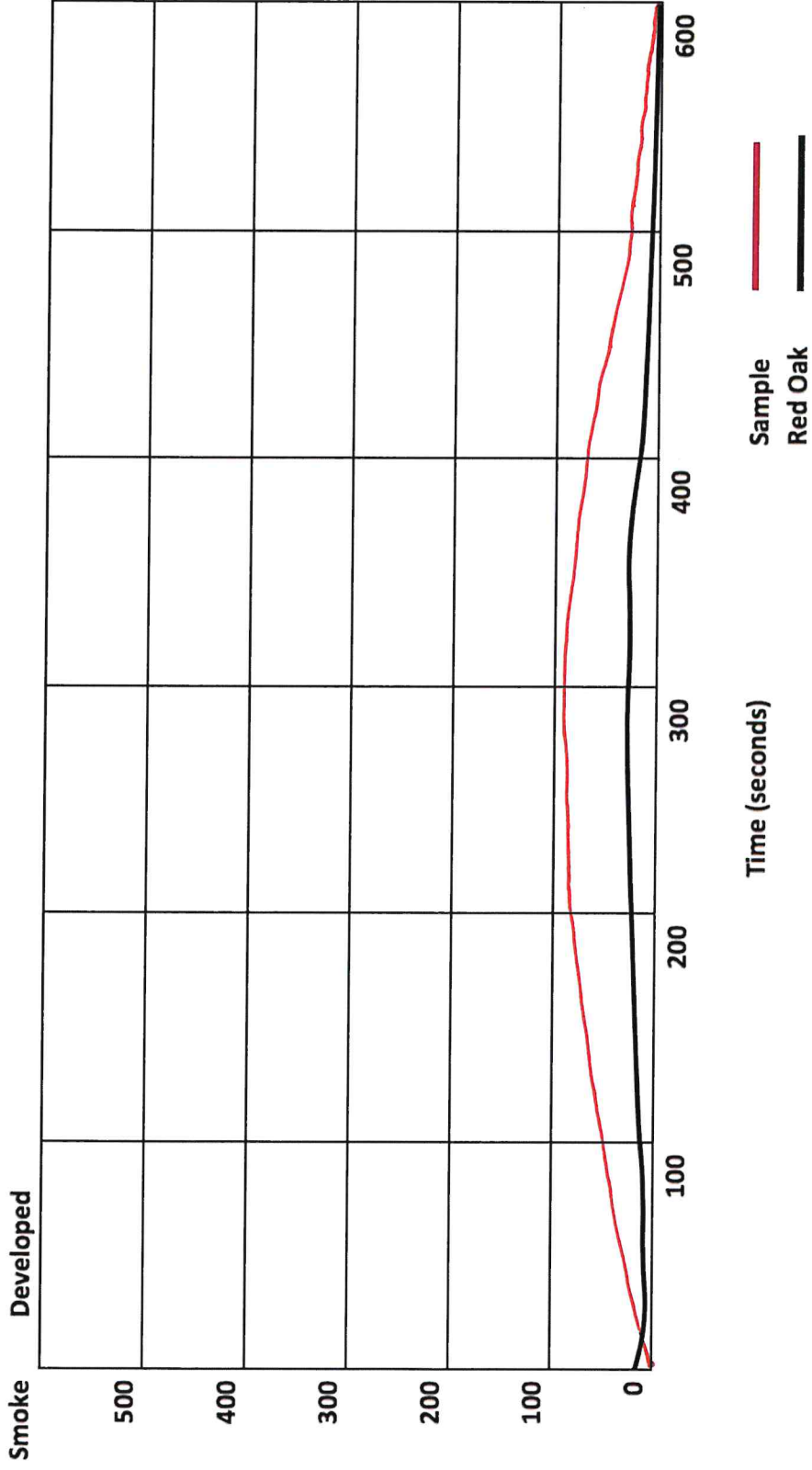
The classifications are as follows:

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

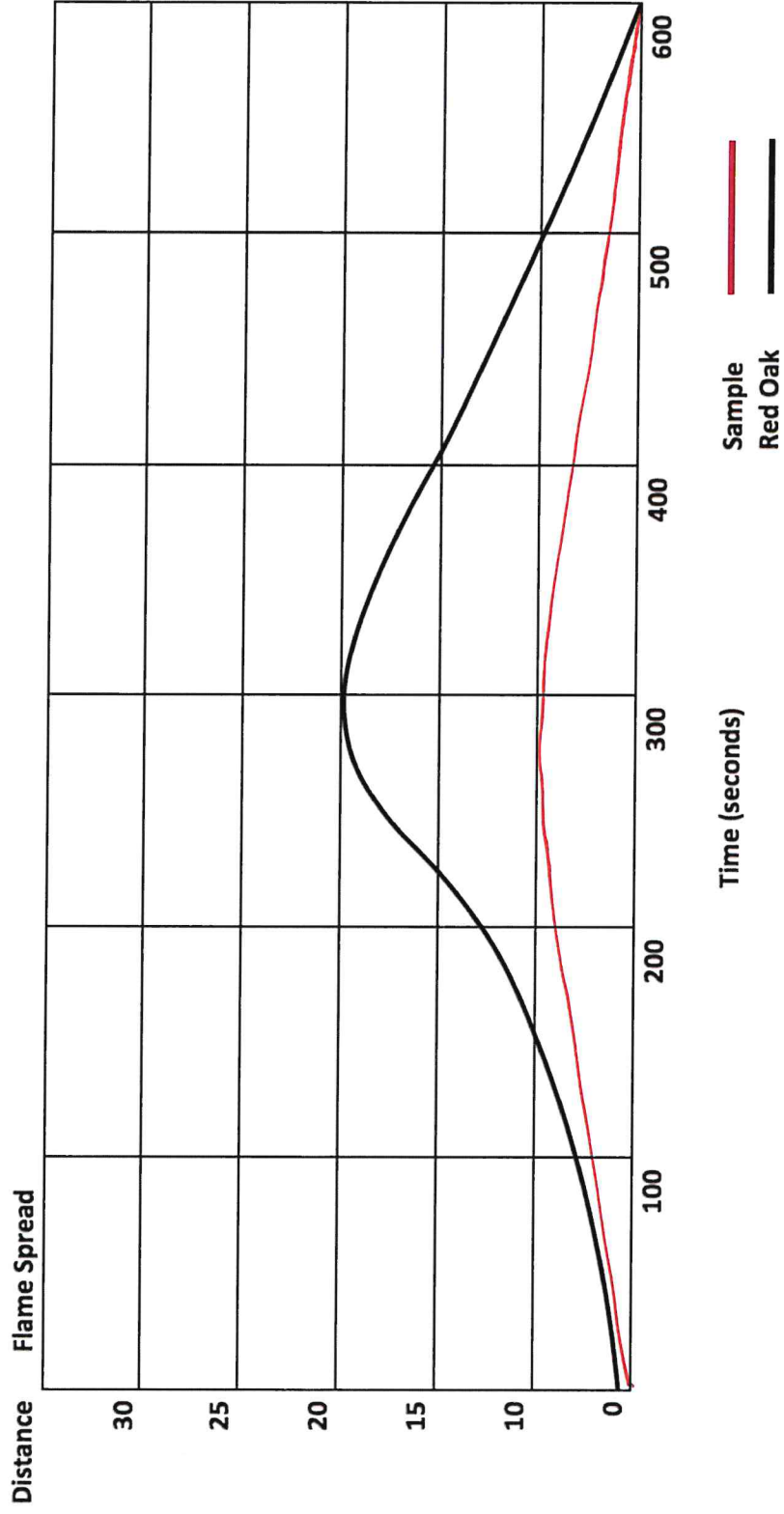
Client: ARTE NV  
Report#: 95736-2  
Sample: ARTE NV – ICONS – TESTED ITEM: 85552 - ADHERED



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PO#: ARTE NV – ICONS – TESTED ITEM: 50518A –1  
Test Report No: 95736-1  
Date: 03.05.2021

The sample submitted by the client as: ARTE NV – ICONS – TESTED ITEM: 50518A -  
ADHERED

DATE OF RECEIPT: 02.17.2021

TESTING PERIOD: 16 DAYS

TEST REQUESTED: The submitted sample was tested for flammability in  
Accordance with the procedures outlined in ASTM E-84-19.

SIGNED





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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:**

The test sample identified as ARTE NV – ICONS – TESTED ITEM: 50518A – ADHERED was prepared by adhering the material to 5/8" gypsum board glued using Arte clear Pro-5 wallcovering adhesive. This method of sample preparation is described in ASTM E2404-15A, standard practice.

### **TEST PROCEDURE: Adhered**

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-84-19 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-84-19 Standard.

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## **TEST RESULTS:**

The test results, calculated in accordance with ASTM E-84-19 for Flame Spread and Smoke Developed Values are as follows:

Test Specimen: ARTE NV – ICONS – TESTED ITEM: 50518A - ADHERED

Flame Index = 10  
Smoke Developed Value = 60

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

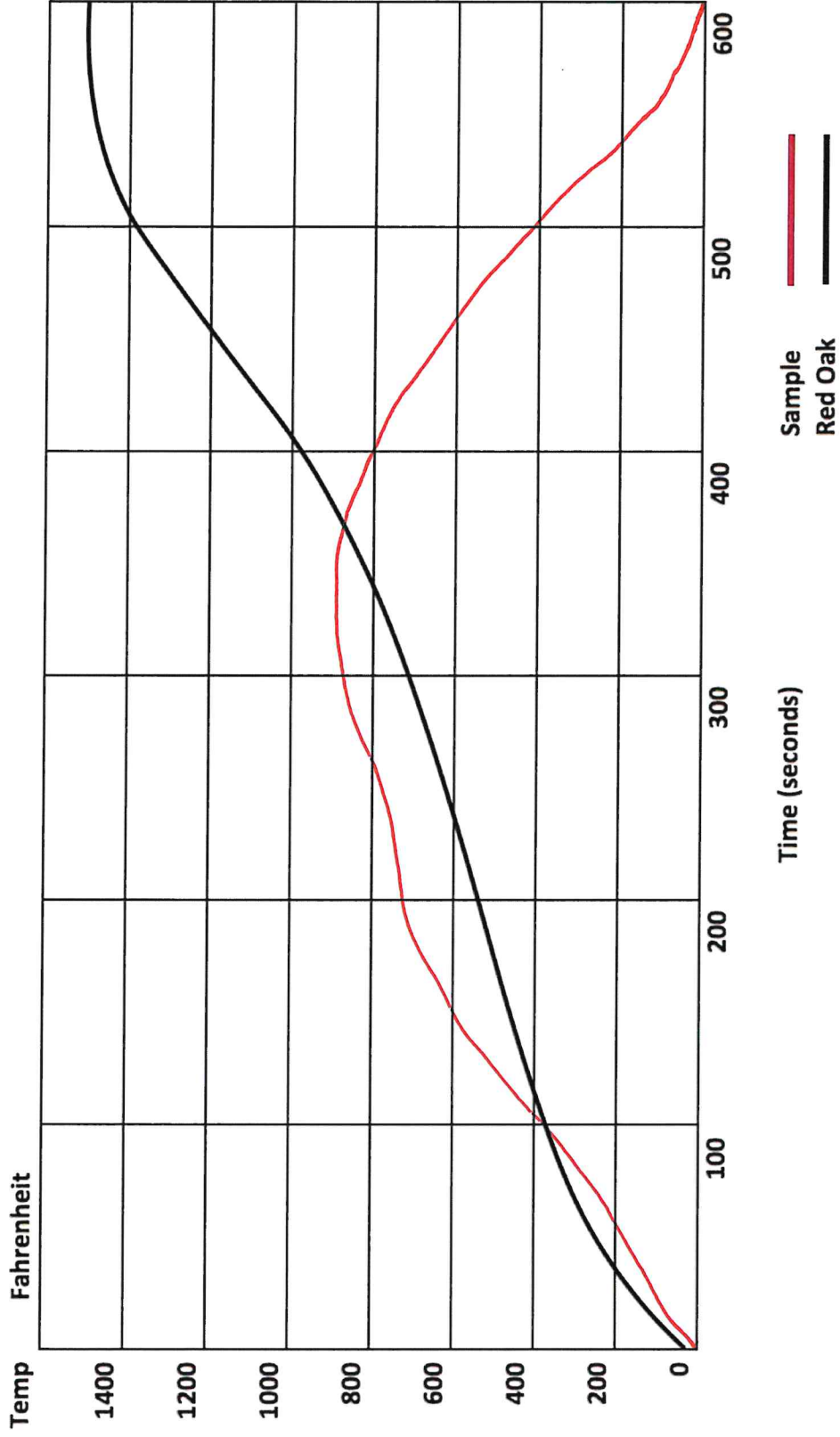
## **Rating: Class A**

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-84-19)

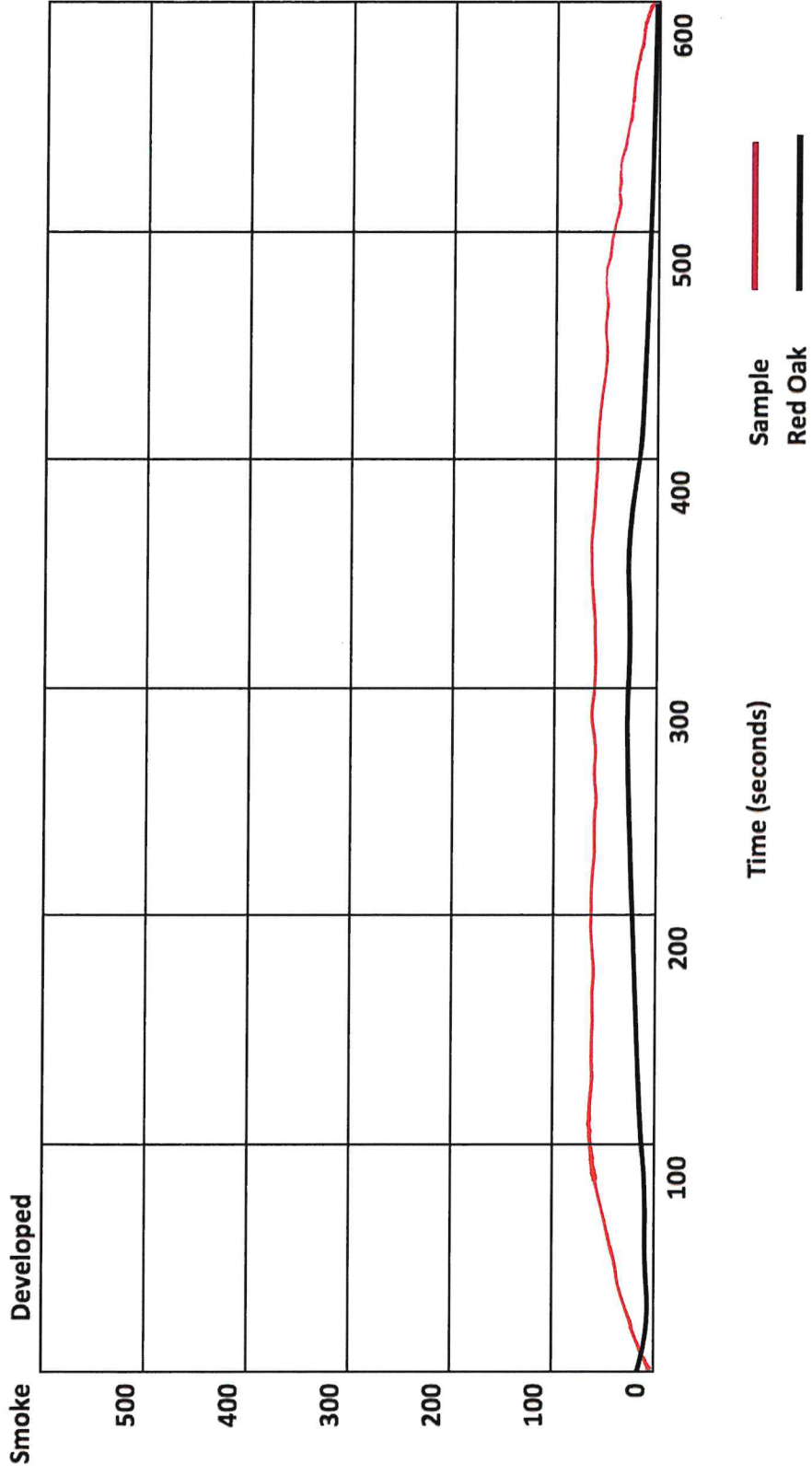
The classifications are as follows:

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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Report#: 95736-1  
Sample: ARTE NV – ICONS – TESTED ITEM: 50518A - ADHERED



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