



Received:05/03/2018	Completed:05/08/2018	Letter: T	RM	P.O.#:4500215824	Test Report #:	3-25895-0-
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Client's Identification	Lot No.: PON 1212848. Style: 3D Surf (x) Laminate. Composition: PVC Film with Surf (x) Coating.
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Tested For: Marilyn Germano

LE: 2010 PC: ME CODE: I=2250 F=4750 CLEAN=1000

TEST PERFORMED: CAN/ULC-S102-10 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

TEST CONDUCTED:

- Indicative
- Formal

PRODUCT CATEGORY: Composite Panel Material
 Laminate Material

BRIEF DESCRIPTION OF TEST METHOD:

The method is designed to determine the relative burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical specimens produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

SUMMARY OF TEST PROCEDURE:

The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090 mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000 mm from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling above the floor and then the lid is lowered. Upon ignition of the gas burners, the flame spread distance is observed and recorded every second. Flame spread distance versus time is plotted, ignoring any flame front recessions. Calculations are based on comparison with flame spread characteristics of select red oak, determined in calibration trials and arbitrarily established as 100. If the area under the curve (AT) is less than or equal to 29.7 m²·min, FSV=1.85•AT; if greater, FSV=1640/(59.4-AT). The Smoke Developed Value is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively.

SAMPLE PREPARATION : Adhered to IRC using Roman Pro-838. Full specimen consisted of three sections 2,438 mm in length butted end to end.



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Tested For: Marilyn Germano	Key Test: CAN/ULC-S102				4750	
	Tel: 1-(330)-794-6373				Ext:	
	Fax: 1-(330)-794-6239					

REPORTED AS:

INDICATIVE (Single Specimen Test):

Flame Spread Value (FSV): _____

Smoke Developed Value (SDV): _____

FORMAL (Average Value of three replicate tests rounded to the nearest multiple of five points):

Flame Spread Rating (FSR): 15

Smoke Developed Classification (SDC): 30

RESULTS:

Specimen #	Flame Spread Value	Smoke Developed Value	Burn Distance (meters)	Time (seconds)
1	15	20	1.1	450
2	19	41	1.2	135
3	16	28	1.2	223

OBSERVATIONS:

1. Blistering and charring
2. Blistering and charring
3. Blistering and charring

REMARKS: None.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

 AUTHORIZED SIGNATURE
 GOVMARK
 /mg

Douglas W. Lipp

MAY 15 2018

Enclosure: 3 Graph Chart (Formal)

(Page 2 of 2)

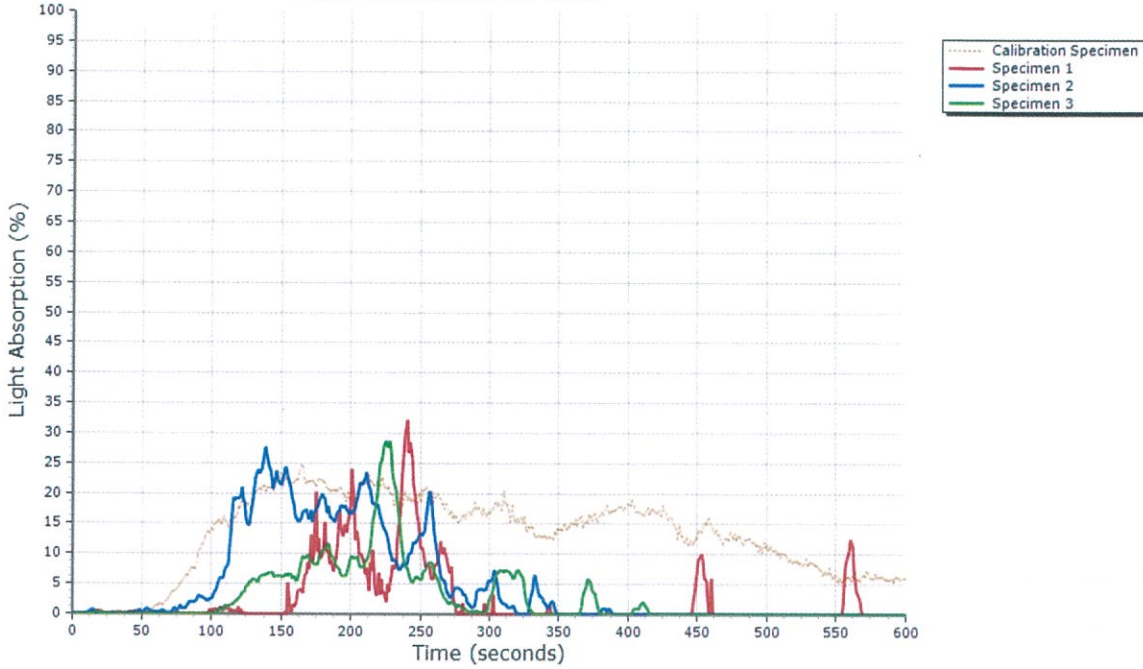
Test Method : CAN S-102
 Test Report # : 3-25895-0-T
 Date : 5/18/2018
 Client : ATI Decorative Laminates
 Operator : Christina Hale
 Details of Preparation : Specimen adhered to 6mm IRC using Roman PRO- 838 adhesive. Full specimen consisted of three sections 2438 mm in length, butted end to end.
 Observations : Blistering and charring of all three specimen.

	Specimen 1	Specimen 2	Specimen 3
Area Under Flame Curve (m min)	7.88	10.20	8.72
Raw Flame Spread Value (m min)	14.58	18.88	16.13
Rounded Flame Spread Value (m min)	15	19	16
Ignition Time	00:37 mm:ss	00:31 mm:ss	00:28 mm:ss
Area Under Smoke Curve (%A min)	26.28	53.60	36.57
Raw Smoke Developed Value	19.90	40.60	27.69
Rounded Smoke Developed Value	20	41	28
Total Gas Flow(L)	1399.5	1402.6	1399.8
Total Gas Flow(ft ³)	49.4	49.5	49.4
Maximum Flame Front Achieved(m)	1.1 (@450s)	1.2 (@135s)	1.2 (@223s)

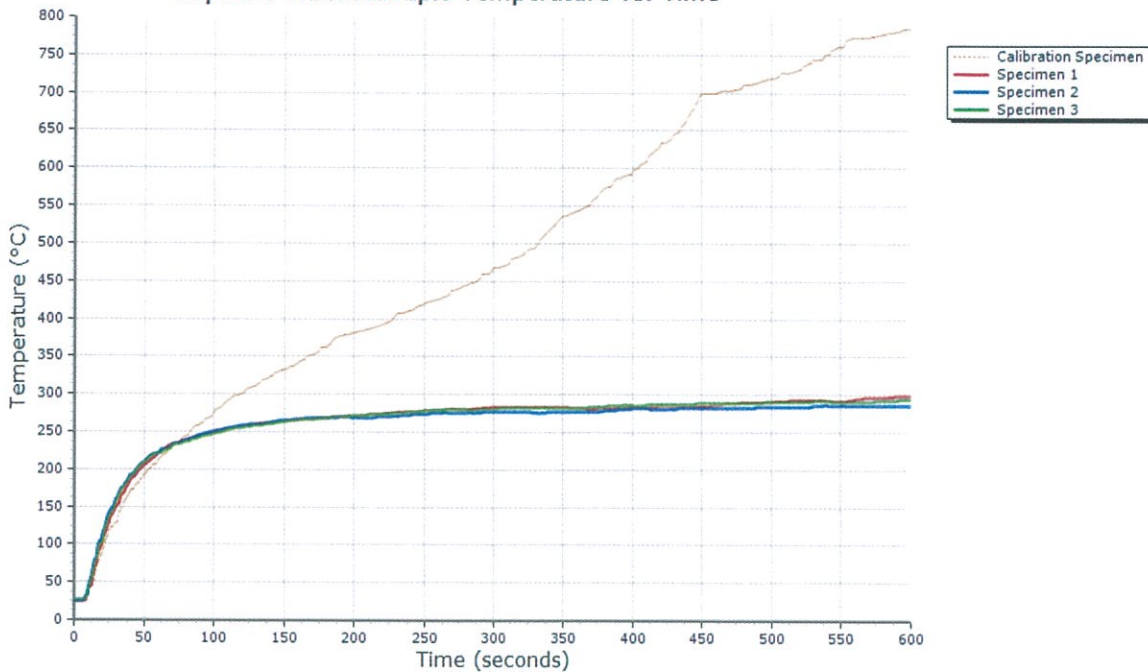
Flame Spread Rating : 15
Smoke Developed Classification : 30

Test Method : CAN S-102
Test Report # : 3-25895-0-T

Light Absorption vs. Time

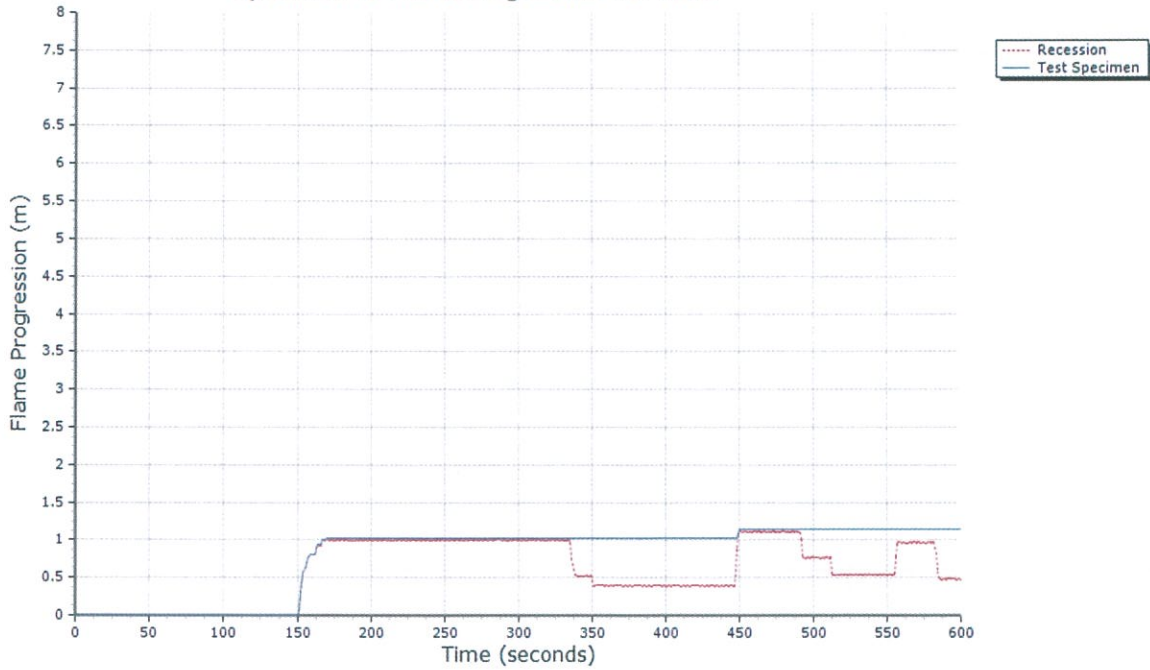


Exposed Thermocouple Temperature vs. Time

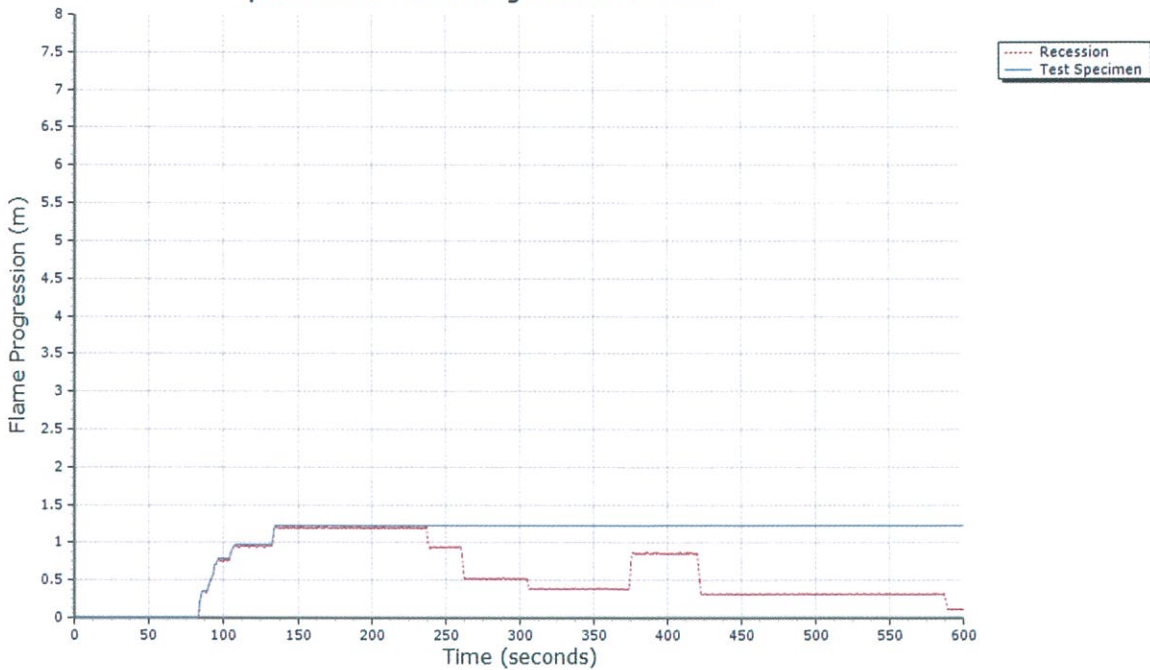


Test Method : CAN S-102
Test Report # : 3-25895-0-T

Specimen 1: Flame Progression vs. Time



Specimen 2: Flame Progression vs. Time



Test Method : CAN S-102
Test Report # : 3-25895-0-T

Specimen 3: Flame Progression vs. Time

