

**CLIENT:** KINON SURFACE DESIGNS  
Attn: Stefanie Bistis  
1217 Central Ave  
Hillside, NJ 07205

**Test Report No: TJ1760**

**Date: January 3, 2014**

**SAMPLE ID:** The Client submitted and identified the following test material as “**Fire Rating for KINON Decorative Composite Resin Surfacing for Walls/Ceilings/Furniture**”

**SAMPLING DETAIL:** Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

**DATE OF RECEIPT:** Samples were received at QAI facilities on December 16, 2013

**TESTING PERIOD:** December 31, 2013

**AUTHORIZATION:** Proposal FB-2013-11402 signed by Stefanie Bistis on November 18, 2013

**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-12, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

<b>TEST RESULTS:</b>	<u>Flame Spread</u>	<u>Smoke Developed</u>
	65	300

**CLASSIFICATION:** The material tested resulted in a Class B. Detailed test results are presented in the subsequent pages of this report

**Prepared By**

**Signed for and on behalf of  
QAI Laboratories, Inc.**



Jeff Foster  
Fire Test Technician



J. Brian McDonald  
Operations Manager

**PREPARATION AND CONDITIONING:** The sample was submitted in two 12 foot long panels measuring 24 inches wide and approximately 3/4 inch thick. The sample material was placed into conditioning at 73°F (±5°F) and 50% (±5%) relative humidity until day of testing.

**E 84 TEST DATA SHEET:**

**MOUNTING METHOD:** The sample was self-supporting and suspended across the ledges of the tunnel. The samples were butted end to end in the test chamber.

**CLIENT:** KINON SURFACE DESIGNS **DATE:** December, 31 2013

**SAMPLE:** Fire Rating for KINON Decorative Composite Resin Surfacing for Walls/Ceilings/Furniture

**IGNITION:** 0 minutes, 37 seconds

**FLAME FRONT:** 15 feet maximum

**TIME TO MAXIMUM SPREAD:** 5 minutes, 30 seconds

**TEST DURATION:** 10 minutes, 00 seconds

**SUMMARY: FLAME SPREAD:** 65 (65.7 unrounded) **SMOKE DEVELOPED:** 300 (315 unrounded)

**OBSERVATIONS:**

Sustained ignition started at 37 seconds after ignition of burner. Sample began to char after ignition. Product continued to bur for the remainder of the 10 minute test. There was no flaking or falling. There was after burn at conclusion of test that was extinguished on its own.

**CALIBRATION DATA:**

Time to Ignition of Last Red Oak (sec):	57
Red Oak Smoke Area (%A* Min):	111
Total Fuel Burned (ft <sup>3</sup> )	59.68

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**SUMMARY OF ASTM E84 RESULTS:**

Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

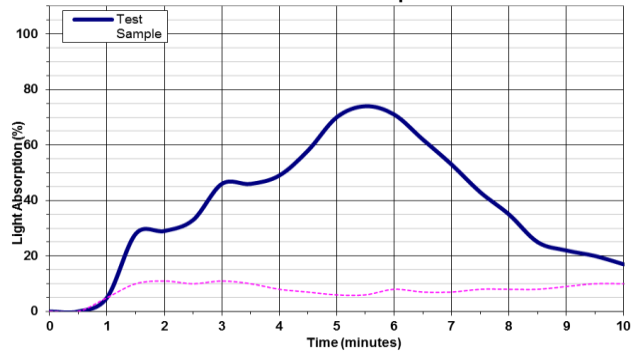
In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

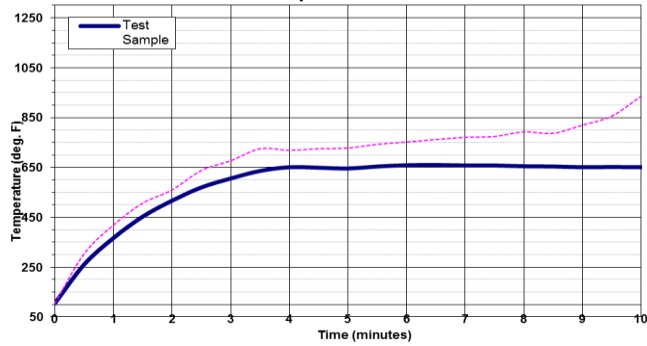
**BUILDING CODES CITED:**

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.

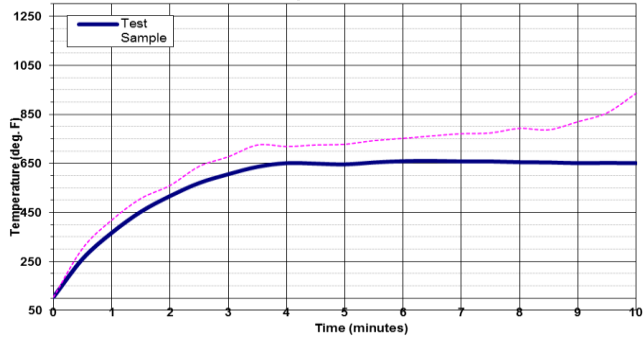
**Smoke Developed Chart**



**Temperature - Time Curve**



**Temperature - Time Curve**



**END OF REPORT**

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