QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

8385 White Oak Avenue
Rancho Cucamonga, CA 91730
909.483.0250 ph. | 909.483.0336 fx.

CLIENT: FIRETECT
26951 Ruether Ave., Unit D
Canyon Country, CA 91351
Kathy Newman

Test Report No: RJ0566-2	**Date: March 16, 2010**

SAMPLE ID: The Client submitted and identified the following test material as Envy Modular Wall Systems, Clarkston, MI. The panels outer skin is 0.060" polystyrene. Core and edge detail are 0.060" ABS. The coating is identified as Firetect WT-102 applied at a rate of 200 sq.ft./gal. Two coats applied.

DATE OF RECEIPT: Samples were received on February 16, 2010.

TESTING PERIOD: March 2, 2010

AUTHORIZATION: Client's Purchase Order No. 21710.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-08, "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.

TEST RESULTS:

Flame Spread	**Smoke Developed**
160	45*

For detailed results see page 2.
*See note on page 2.

Prepared By

Brian Ortega
Test Technician

Signed for and on behalf of QAI Laboratories Inc.

Greg Banasky
Supervisor Fire Technology

PREPARATION AND CONDITIONING: The sample material was submitted in three pieces, 22" wide by 96" long, conforming to test chamber dimensions.

E 84 TEST DATA SHEET:

CLIENT: FIRETECT **DATE:** 03/02/10

SAMPLE: Envy Modular Wall Systems, Clarkston, MI. The panels outer skin is 0.060" polystyrene. Core and edge detail are 0.060" ABS. The coating is identified as Firetect WT-102 applied at a rate of 200 sq.ft./gal. Two coats applied.

FLAME SPREAD:

IGNITION: 1 minute, 2 seconds

FLAME FRONT: 19.5 feet maximum

TIME TO MAXIMUM SPREAD: 1 minute, 59 seconds

TEST DURATION: 2 minutes

CALCULATION: 4900/(195-164.01) = 158.12

SUMMARY: FLAME SPREAD: 160 **SMOKE DEVELOPED:** 45*

*Note: Due to lack of air flow through the test chamber, the test was terminated at 2 minutes. Had the test continued for the normal 10 minute period, the flame spread value would have remained unchanged. The smoke developed value was at time of termination.

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:

NFPA CLASS	IBC CLASS	FLAME SPREAD	SMOKE DEVELOPED
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.