



CLIENT: SHIKOKU INTERNATIONAL CORPORATION

301 North Rampart Street, #C
Orange, CA 92868
Yoshiyuki Oyama

Test Report No: 1094930-3

Date: August 17, 2007

SAMPLE ID: The Client submitted and identified the following test material as KRM panels.

DATE OF RECEIPT: Entered into SGS USTC sample tracking system on July 3, 2007.

TESTING PERIOD: July 31, 2007.

AUTHORIZATION: Testing authorized by Yoshiyuki Oyama.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-07 "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:	<u>Flame Spread</u>	<u>Smoke Density</u>
	5	10

For detailed results see page 2.

Tested by

Brian Ortega
Test Technician

**Signed for and on behalf of
SGS U.S. Testing Company Inc.**

Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: PREPARATION AND CONDITIONING: The sample material was supplied in three pieces, 22" wide by 96" long.

Prior to testing, the specimen was placed in the conditioning room (maintained at $73.4 \pm 5^\circ$ F and a relative humidity of $50 \pm 5\%$) and allowed to reach moisture equilibrium.

E 84 TEST DATA SHEET:

CLIENT: Shikoku International Corporation DATE: 07/31/07

SAMPLE: KRM panels

FLAME SPREAD:

IGNITION: 1 minute, 30 seconds

FLAME FRONT: 1 foot maximum

TIME TO MAXIMUM SPREAD: 2 minutes, 15 seconds

TEST DURATION: 10 minutes

CALCULATION: $8.09 \times 0.515 = 4.17$

SUMMARY: FLAME SPREAD: 5 SMOKE DENSITY: 10

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

BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1994 Edition.
2. Uniform Building Code, 1994 Edition, Chapter 8, Interior Finishes, Sections 801-807.

End of Report