

CLIENT: REWOOD, LLC
13574 Martinique Drive
Chino Hills, CA 91709
Zoraida Morales

Test Report No: RJ1192-1

Date: February 14 2011

SAMPLE ID: The test samples are identified as specimens of Resysta Decking.

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 on February 10, 2011.

TESTING PERIOD: February 14, 2011.

AUTHORIZATION: Testing authorized by Zoraida Morales.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-09, "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 Developed</u>
	25	450

Detailed test results are presented in the subsequent pages of this report

CONCLUSION: The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

Prepared By


Brian Ortega
Test Technician

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


Greg Banasky
Senior Test Technician

Page 1 of 3

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PREPARATION AND CONDITIONING: The sample material was submitted in eight pieces, 5 1/2" wide by 12' long. The sample was supported during testing by 1/4" round metal rods placed at two foot intervals across the width of the test chamber.

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: Rewood, LLC **DATE:** 02/14/11

SAMPLE: Resysta Decking

FLAME SPREAD:

IGNITION: 1 minute, 28 seconds

FLAME FRONT: 7 feet maximum

TIME TO MAXIMUM SPREAD: 7 minutes, 28 seconds

TEST DURATION: 10 minutes

CALCULATION: $44.18 \times 0.515 = 22.75$

SUMMARY: FLAME SPREAD: 25 **SMOKE DEVELOPED:** 450 (463.71)

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:

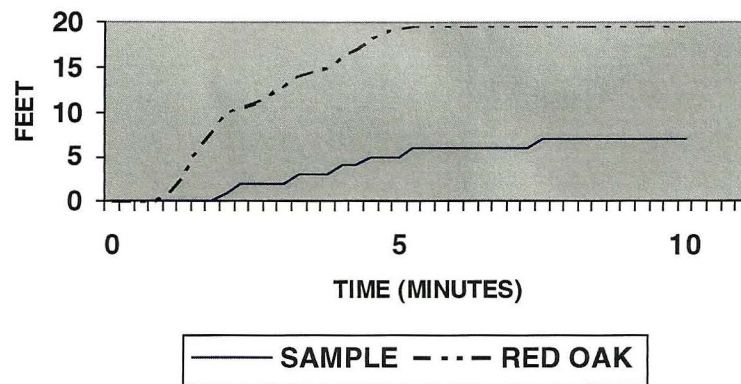
<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

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.

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FLAME SPREAD



SMOKE DEVELOPED

