

CLIENT: PACIFIC SOUTH EAST INC.
5990 Vista de la luz
Woodland Hills, CA 91367

Attn: Irwan Hiuriono

Test Report No: TJ2139

Date: May 30, 2014

SAMPLE ID: The test sample was identified as “**Thermo Mahogany**” having the attributes as reported below.

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 May 6, 2013.

TESTING DATE: May 23 – May 27, 2014

AUTHORIZATION: Proposal MB-2014-030501 approved on March 31, 2014

TEST PROCEDURE: Materials and Construction Methods for Exterior Wildfire Exposure, DECKING, SFM Standard 12-7A-4, Part A, Under-Deck Flame Test.

TEST RESULTS: The sample COMPLIES with the criteria of SFM Standard 12-7A-4.7.5. Detailed test results are presented in the subsequent pages of this report.

Prepared By

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



David Bauchmoyer
Fire Test Technician



J. Brian McDonald
Operations Manager

Test Method:

The SFM 12-7A-2 test method evaluates the performance of decks (or other horizontal ancillary structures in close proximity to primary structures) when exposed to direct flames. A propane diffusion burner positioned at the center of the deck assembly test module. The deck assembly test module was constructed in accordance with the requirements of the test standard and measured a nominal 24 by 24 inches. The deck assembly was tested in triplicate. The deck assembly tested and reported herein has the following attributes:

Environmental Conditions at Time of Test:

Relative Humidity: 65%
 Temperature: 72°F
 Average moisture Content of samples: 6.8%

Effective Net Heat Release Rate:

Test Number	Effective Net Peak Heat Release Rate (kW/ft ²)	Requirement (kW/ft ²)	PASS/FAIL
1	6.5	25	PASS
2	2.5	25	PASS
3	5.0	25	PASS

Observations During Testing (for all three test iterations):

0:00 – Burner assembly ignited, 80 kW achieved and maintained
 1:00 – Flames in contact with assembly, increasing in intensity
 2:00 – Peaking out with flame intensity on deck
 3:00 – Burner assembly turned off
 4:00 – Small flames present on deck assembly, decreasing steadily with intensity
 5:00 – Small flames, glowing, and smoke observed
 10:00 – Small flames, glowing, and smoke observed
 20:00 – Slight glowing, smoking observed
 30:00 – Only slight smoking observed
 43:00 – No observable flaming or smoldering combustion from deck assembly

Requirements:

- | | |
|--|-------------|
| 1. Effective net peak heat release rate of less than or equal to 25 kW/ft ² (269 kW/m ²). | PASS |
| 2. Absence of sustained flaming or glowing combustion of any kind at the conclusion of the 40-minute observation period. | PASS |
| 3. Absence of falling particles that are still burning when reaching the burner or floor. | PASS |



Test Set Up Before Test



Deck Specimens After Test

*****End of Report*****

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