CLIENT: TILE TECH INC  
4730 East 26th Street  
Vernon, CA 90058

<table>
<thead>
<tr>
<th>Test Report No: RJ3515-1</th>
<th>Date: September 23, 2014</th>
</tr>
</thead>
</table>

SAMPLE ID: The following test material was identified as Ipe Deck Boards.

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 September 15, 2014.


AUTHORIZATION: Testing authorized by Ronnie Tabibnia.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-14, "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:

<table>
<thead>
<tr>
<th>Flame Spread</th>
<th>Smoke Developed</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>400</td>
</tr>
</tbody>
</table>

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

Signed for and on behalf of QAI Laboratories, Inc.

Brian Ortega  
Test Technician

Greg Banasky  
Senior Test Technician

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info@qai.org
PREPARATION: Sufficient sample material was submitted to conform to tunnel test dimensions, 22’ wide by 24’ feet long.

CONDITIONING: The test specimen was conditioned to a constant weight at a temperature of 73.4 ± 5º F (23 ± 2.8º C) and a relative humidity of 50 ± 5 %.

CEMENT BOARD PLACEMENT: The 1/4” cement boards were placed between the test specimen and the chamber lid

E 84 TEST DATA SHEET:

CLIENT: TILE TECH INC DATE: 09/23/14
SAMPLE: Ipe Deck Boards
FLAME SPREAD:
IGNITION: 1 minute, 15 seconds.
FLAME FRONT: 9 feet maximum.
TIME TO MAXIMUM SPREAD: 9 minutes, 47 seconds
TEST DURATION: 10 minutes.
CALCULATION: 38.35 x 0.515 = 19.75
OBSERVATIONS: Charring.

SUMMARY: FLAME SPREAD: 20 SMOKE DEVELOPED: 400

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:

<table>
<thead>
<tr>
<th>NFPA CLASS</th>
<th>IBC CLASS</th>
<th>FLAME SPREAD</th>
<th>SMOKE DEVELOPED</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>A</td>
<td>0 through 25</td>
<td>Less than or equal to 450</td>
</tr>
<tr>
<td>B</td>
<td>B</td>
<td>26 through 75</td>
<td>Less than or equal to 450</td>
</tr>
<tr>
<td>C</td>
<td>C</td>
<td>76 through 200</td>
<td>Less than or equal to 450</td>
</tr>
</tbody>
</table>

BUILDING CODES CITED:
2. International Building Code, Chapter 8, Interior Finishes, Section 803.
The results of this report pertain only to the specific sample(s) evaluated.

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This is to signify that QAI LABORATORIES
8385 WHITE OAK AVENUE
RANCHO CUCAMONGA, CALIFORNIA  91730
Testing Laboratory TL-220 (Revised June 24, 2014)
has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories, and has been accredited commencing April 17, 2014, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President

C. P. Ramani, P.E.
President