November 10, 2014

Mr. Carlos Khantzis
Textures 3D
31280 Oak Crest Dr.
#4
Westlake Village, CA 91361

Our Reference: SV19490/4786557998

Subject: Report Of Surface Burning Characteristics Tests On Samples As Submitted By Textures 3D

Dear Mr. Khantzis:

This is a Report summarizing the results of a test conducted under the Commercial Inspection and Testing Services (CITS) program of UL LLC (UL) identified as Assignment No. 4786557998.

GENERAL:

The results relate only to items tested.

METHOD:


The test determines the Surface Burning Characteristics of the material, specifically the flame spread and smoke developed indices when exposed to fire.
The maximum distance the flame travels along the length of the sample from the end of the igniting flame is determined by observation. The Flame Spread Index of the material is derived by plotting the progression of the flame front on a time-distance basis, ignoring any flame front recession, and using the equations described below:

A. \[ \text{CFS} = 0.515 \ A_T \text{ when } A_T \leq 97.5 \text{ minute-foot}. \]

B. \[ \text{CFS} = \frac{4900}{195 - A_T} \text{ when } A_T > 97.5 \text{ minute-foot}. \]

Where \( A_T \) = total area under the time distance curve expressed in minute-foot.

The Smoke Developed Index (SDI) is determined by rounding the Calculated Smoke Developed (CSD) as described in UL 723. The CSD is determined by the output of photoelectric equipment operating across the furnace flue pipe. A curve is developed by plotting the values of light absorption (decrease in cell output) against time. The CSD is derived by expressing the net area under the curve for the material tested as a percentage of the area under the curve for untreated red oak.

The CSD is expressed as:

\[ \text{CSD} = \left( \frac{A_m}{A_{ro}} \right) \times 100 \]

Where:

- \( \text{CSD} \) = Calculated Smoke Developed
- \( A_m \) = The area under the curve for the test material.
- \( A_{ro} \) = The area under the curve for untreated red oak.

SAMPLES:

The samples utilized in this investigation were neither prepared nor selected by a Laboratories' representative such that no verification of composition can be provided.

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Sample Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Textures 3D faux leather tiles</td>
</tr>
</tbody>
</table>

Each test sample was supported by 2 in. hexagonal poultry netting supported by 1/4 in. diameter steel rods spaced 2 ft. apart.

RESULTS:

The results are tabulated below are considered applicable only to the specific samples tested.

Data sheets and graphical plots of flame travel versus time and smoke developed versus time are also enclosed.
Table 1: Test Summary

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Test Code</th>
<th>Sample Description</th>
<th>CFS Calculated Flame Spread</th>
<th>FSI Flame Spread Index</th>
<th>CSD Calculated Smoke Developed</th>
<th>SDI Smoke Developed Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10301412</td>
<td>Textures 3D faux leather tiles</td>
<td>19.02</td>
<td>20</td>
<td>324.4</td>
<td>300</td>
</tr>
</tbody>
</table>

The Classification Marking of UL on the product is the only method provided by UL to identify products which have been produced under its Classification and Follow-Up Service. No use of a Classification Marking has been authorized as a result of this investigation.

Since the anticipated work has been completed, we have instructed our Accounting Department to terminate the investigation and invoice you for the charges incurred to date.

Should you have any questions, please contact the undersigned.

Very truly yours

Reviewed by:

James Smith (ext. 42666)  
Staff Engineering Associate  
Building Materials & Systems

Randall Laymon (ext. 42687)  
Sr. Staff Engineer  
Building Materials & Systems
TEST METHOD: The test was conducted in accordance with UL 723, Tenth Edition.

<table>
<thead>
<tr>
<th>Client Name:</th>
<th>Textures 3D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Duration</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Test No.:</td>
<td>1</td>
</tr>
<tr>
<td>Hot Test:</td>
<td>No</td>
</tr>
<tr>
<td>Mounting:</td>
<td>Rods &amp; Wire</td>
</tr>
<tr>
<td>Test Type:</td>
<td>CITS</td>
</tr>
<tr>
<td>Burn-Out Required:</td>
<td>No</td>
</tr>
</tbody>
</table>

Test Sample: Textures 3D faux leather tiles

### FLAME SPREAD RESULTS

#### Flame Spread Data

<table>
<thead>
<tr>
<th>Distance (Feet)</th>
<th>Time (Sec)</th>
<th>Distance (Feet)</th>
<th>Time (Sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition</td>
<td>22</td>
<td>2.5</td>
<td>48</td>
</tr>
<tr>
<td>0.5</td>
<td>32</td>
<td>3</td>
<td>60</td>
</tr>
<tr>
<td>1</td>
<td>34</td>
<td>3.5</td>
<td>72</td>
</tr>
<tr>
<td>1.5</td>
<td>36</td>
<td>4</td>
<td>76</td>
</tr>
<tr>
<td>2</td>
<td>38</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Calculated Flame Spread (CFS): 19.02
- Flame Spread Index (FSI): 20
- Time to Ignition (sec): 22
- Maximum Flame Spread (ft): 4.0
- Area Under the Flame Spread Curve (ft.-min): 36.9

### SMOKE RESULTS

- Calculated Smoke Developed (CSD): 324.4
- Smoke Developed Index (SDI): 300
- Area Under the Smoke Curve (Obs-min.): 260.32
- Area Under Red Oak Curve (Obs-min.): 80.25

Post-Test Observations

- Discoloration (Feet From Burner): 24
- Char (Feet From Burner): 15
Flame Spread / Smoke Results

Textures 3D
Textures 3D faux leather tiles

Test Num.: 1
SV19490 / 4786557998
10301412

Flame Spread Index: 20
Smoke Developed Index: 300
Max. Flame Spread (ft.): 4.0