



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:**

Each test was conducted in accordance with Standard ANSI/UL723, Tenth Edition, dated September 10, 2008 with revisions through August 12, 2013, "Test for Surface Burning Characteristics of Building Materials", (ASTM E84).

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.  $CFS = 0.515 A_T$  when  $A_T$  is less than or equal to 97.5 minute-foot.

B.  $CFS = 4900/(195-A_T)$  when  $A_T$  is greater than 97.5 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:

$$CSD = (A_m/A_{ro}) \times 100$$

Where:

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.

#### Sample Description

Test No.	System
1	Textures 3D faux leather tiles

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

Test No.	Test Code	Sample Description	CFS Calculated Flame Spread	FSI Flame Spread Index	CSD Calculated Smoke Developed	SDI Smoke Developed Index
1	10301412	Textures 3D faux leather tiles	19.02	20	324.4	300

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



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

Reviewed by:



Randall Laymon (ext. 42687)  
Sr. Staff Engineer  
Building Materials & Systems

Project: 4786557998  
Tested by: TIMOTHY WAGNER

File: SV19490  
Engineer: JAMES SMITH

TestCode: 10301412  
Date: 2014-10-30

TEST METHOD: The test was conducted in accordance with UL 723, Tenth Edition.

Client Name: Textures 3D	Test No.: 1	Hot Test: No
Test Duration: 10 minutes	Test Type: CITS	Burn-Out Required: No
Mounting: Rods & Wire		

**Test Sample:** Textures 3D faux leather tiles

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FLAME SPREAD RESULTS

**Flame Spread Data**

Distance (Feet)	Time (Sec)	Distance (Feet)	Time (Sec)
Ignition	22	2.5	48
0.5	32	3	60
1	34	3.5	72
1.5	36	4	76
2	38		

**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

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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

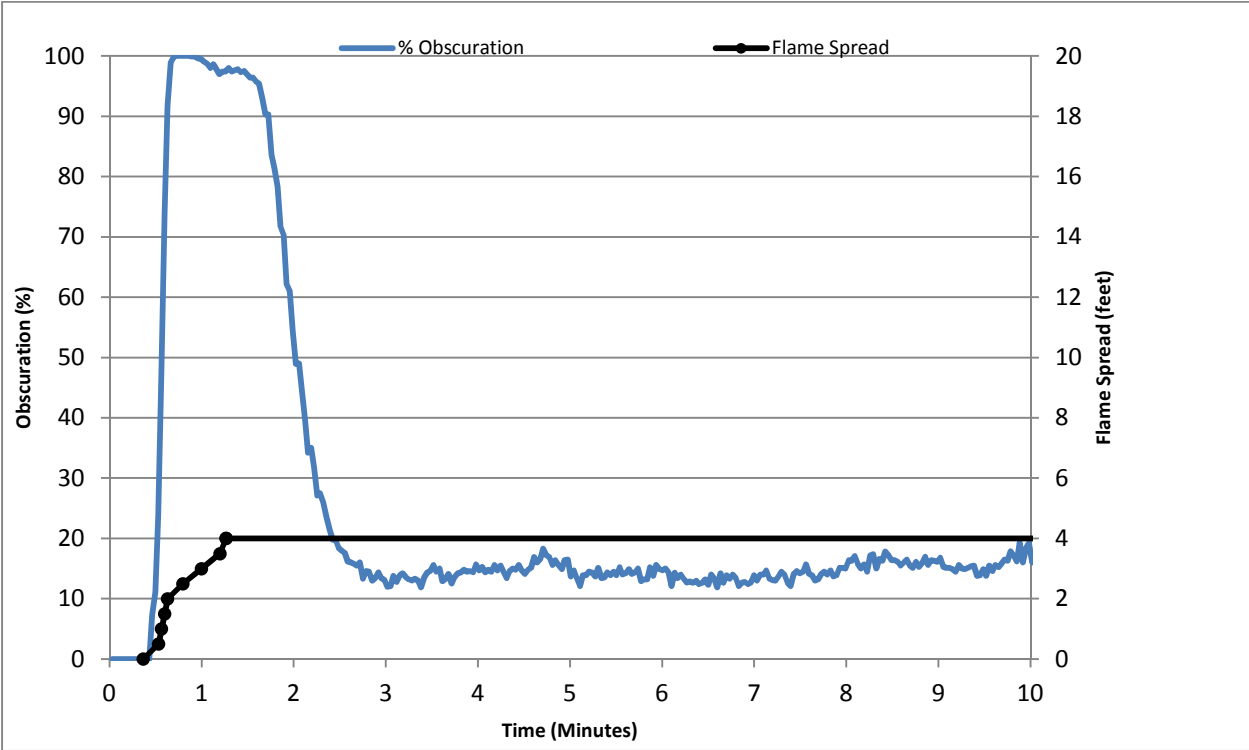
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Post-Test Observations

**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