



Title: Fire Test Results

Product: Coat of Silence

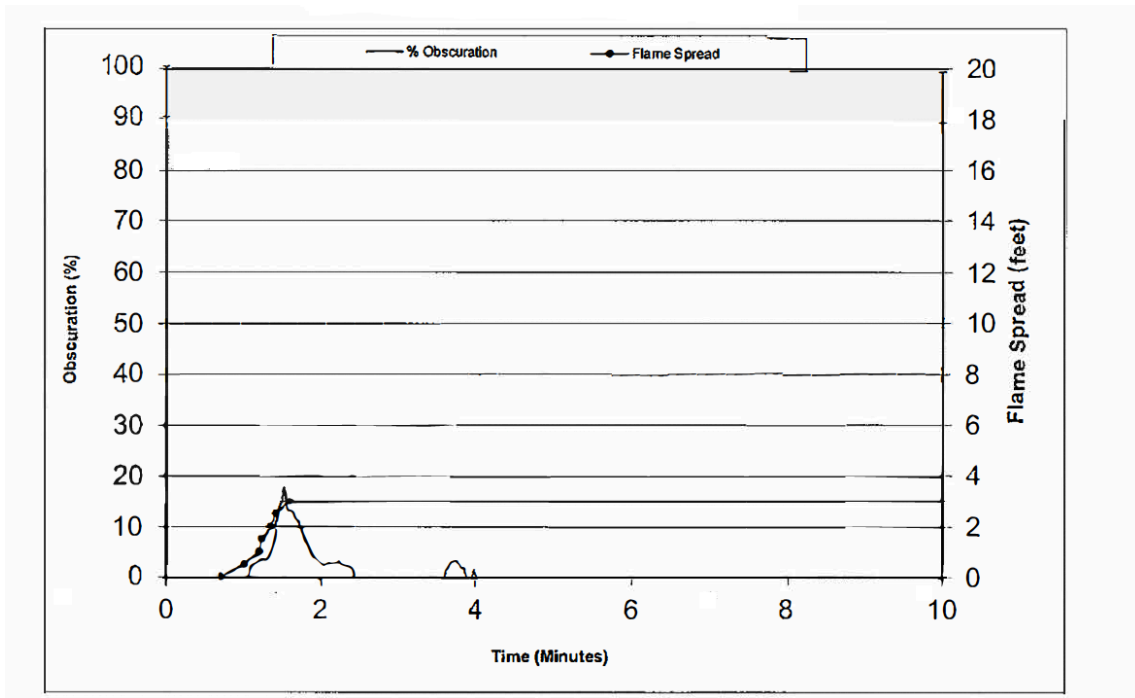
Application: Sound Proof Coating

Testing Standard: ASTM E84

Test Date: 10/10/2011

Why this test: *This test evaluates products surface burning characteristics when applied to 5/8" drywall. Products are rated on the distance a flame travels across the product as well as the amount of smoke that is created during the exposure to fire.*

Test Result Summary: Class A, Flame Spread: 15; Smoke Developed: 10



Test ID: SV18758/11CA19699

ASI TEST RESULT DISCLAIMER

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October 10, 2011

Coat of Silence Paint & Coating

Our Reference: SV18758/11CA19699

Subject: Report Of Surface Burning Characteristics Tests On Samples
As Submitted By Coat of Silence Paint & Coating

This is a Report summarizing the results of a test conducted under the Commercial Inspection and Testing Services (CITS) program of Underwriters Laboratories Inc. (UL) identified as Assignment No. 11CA19699.

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, "Test for Surface Burning Characteristics of Building Materials", (ASTM E84-11).

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	Coat of Silence GP2 Formula Sound Proof Coating applied to 5/8 in. drywall

Due to the rigidity of the test samples, supplementary means of support was not required.

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	10031116	Coat of Silace GP2 Formula Sound Proof Coating applied to 5/8 in. drywall	13.55	15	11.7	10

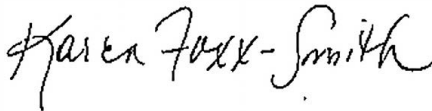
The Classification Marking of UL on the product is the only method provided by UL to identify products which have been produced under its Classification and Follow-Up Service. No use of a Classification Marking has been authorized as a result of this investigation.

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.

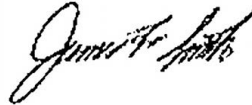
Should you have any questions, please contact the undersigned.

Very truly yours

Reviewed by:



Karen Foxx-Smith
Engineering Associate
Fire Protection Division



James Smith
Staff Engineering Associate
Fire Protection Division

Project: 11CA19699
Tested by: ALBERT HISLOP

File: SV18758
Engineer: KAREN FOXX
SMITH

Test Code: 10031116
Date: 2011-10-03

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

Client Name: Rendered by Manufacturer and Released to: ASI		
Test Duration: 10 minutes	Test No.: 1	Hot Test: No
Mounting: Self	Test Type: CITS	Burn-Out Required: No

Test Sample: Coat of Silence GP2 Formula Sound Proof Coating applied to 5/8 in. drywall

FLAME SPREAD RESULTS

Flame Spread Data

Distance (Feet)	Time (Sec)
Ignition	42
0.5	60
1	72
1.5	74
2	82
2.5	86
3	96

Calculated Flame Spread (CFS): 13.55
Flame Spread Index (FSI): 15
Time to Ignition (sec): 42
Maximum Flame Spread (ft): 3.0
Area Under the Flame Spread Curve (ft.-min.): 26.3

SMOKE RESULTS

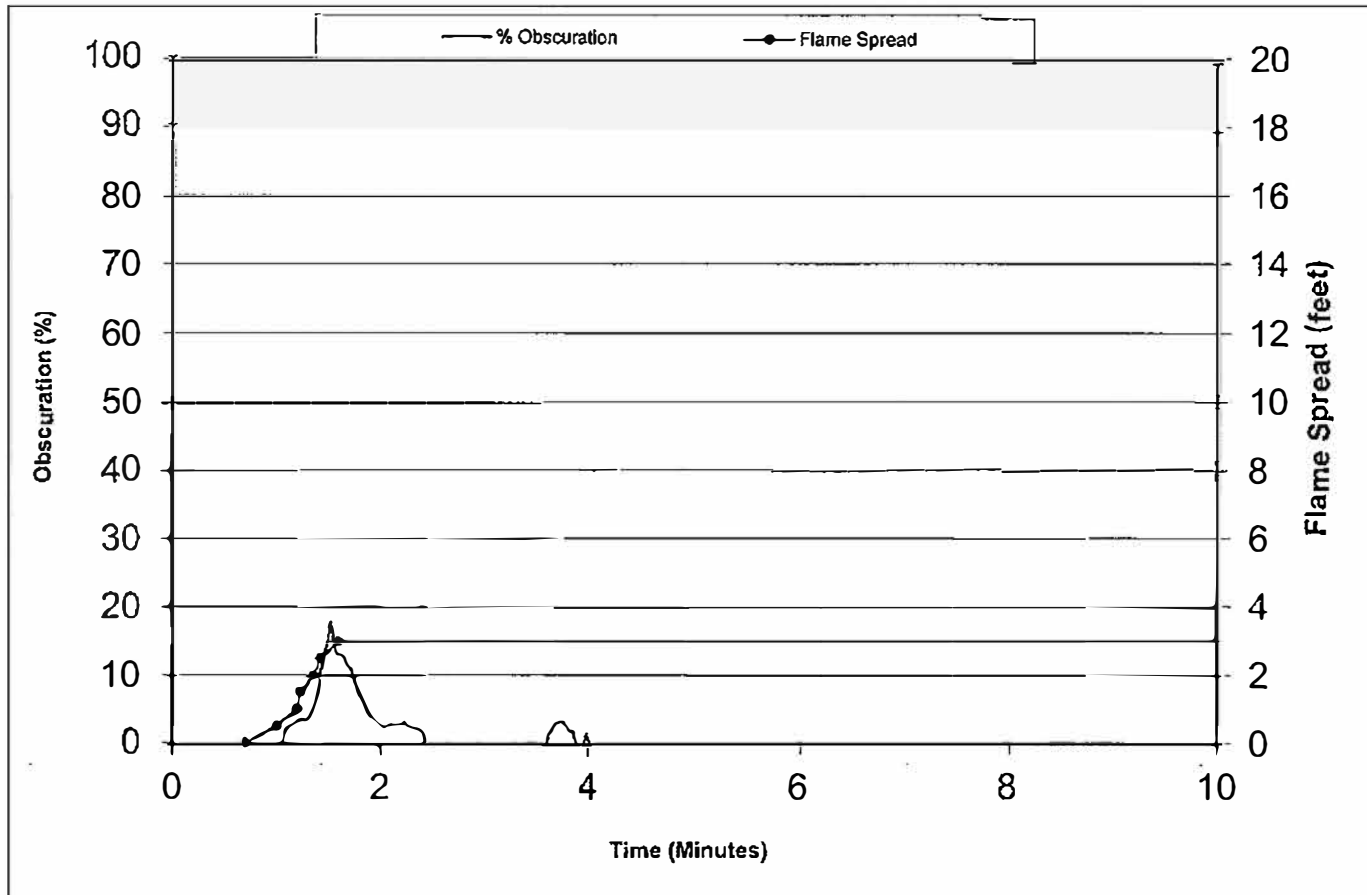
Calculated Smoke Developed (CSD): 11.7
Smoke Developed Index (SDI): 10
Area Under the Smoke Curve (Obs.-min.): 8.76
Area Under Red Oak Curve (Obs.-min.): 74.67

Post-Test Observations

Discoloration (Feet From Burner): 24
Char (Feet From Burner): 4.5

Flame Spread/ Smoke Results

Coat of Silence GP2 Formula Sound Proof Coating



Test Num.: 1
SV18758 / 11CA19699
10031116

Flame Spread Index: 15
Smoke Developed Index: 10
Max. Flame Spread (ft.): 3.0