



**Title: Fire Test Results**

**Product: 2" CFAB**

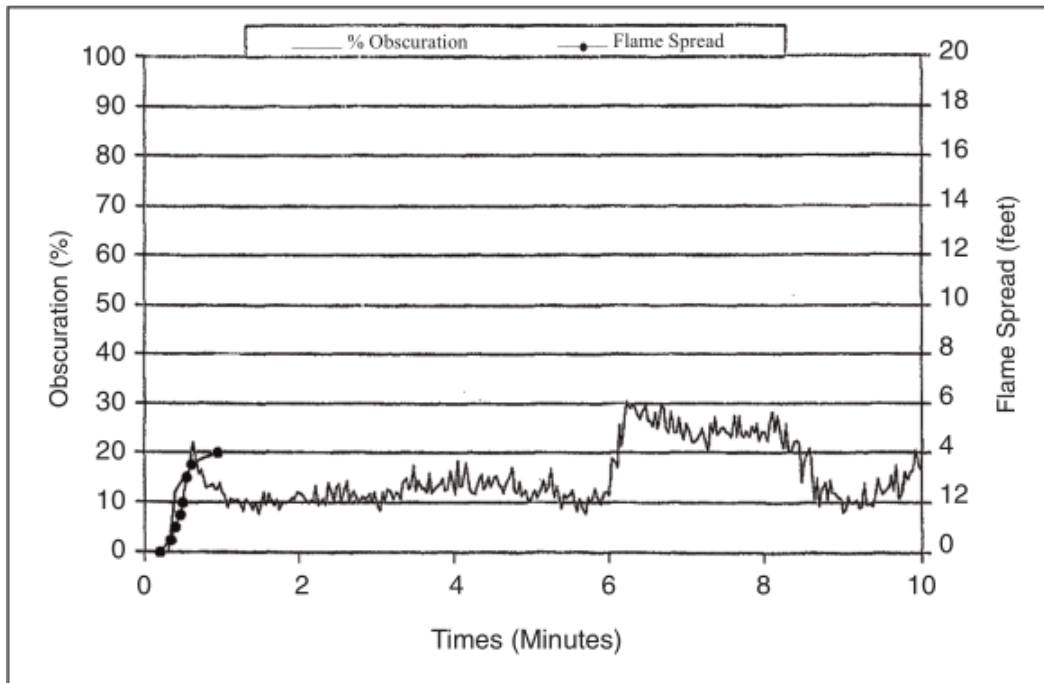
Application: Wall or Ceiling

Testing Standard: ASTM E84

Test Date: 2/16/2010

*Why this test:* This test evaluates products surface burning characteristics. 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: 20; Smoke Developed: 180



Test ID: 02161008

**ASI TEST RESULT DISCLAIMER**

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.

© 2018 ASI



**ACOUSTICAL**

Sound Solutions for Over 35 Years

**SURFACES INC.**

Soundproofing | Acoustics | Noise & Vibration Control

Project: 10NK03143

File: R8078

TestCode: 02161008

Tested by: SCOTT KNIGHTON

Engineer: ROBERT KIEFER

Date: 010-02-16

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

Client Name: Rendered by Manufacturer and Released to Acoustical Surfaces, Inc.

Test Duration 10 minutes

Test No.: 2

Hot Test: No

Mounting: Rods & Wire

Test Type: Developmental

Burn-Out Required: No

Test Sample: 2 in. cellulose/cotton acoustic matt

#### FLAME SPREAD RESULTS

##### Flame Spread Data

Distance (Feet)		Time (Sec)
Ignition		12
0.5		20
1		24
1.5		28
2		30
3		32
3.5		36
4		56

Calculated Flame Spread (CFS): 19.59

Flame Spread Index (FSI): 20

Time to Ignition (sec): 12

Maximum Flame Spread (ft): 4.0

Area Under the Flame Spread Curve (ft.-min): 38.0

#### SMOKE RESULTS

Calculated Smoke Developed (CSD): 179.8

Smoke Developed Index (SDI): 180

Area Under the Smoke Curve (Obs-min.): 149.63

Area Under Red Oak Curve (Obs-min.): 83.23

ULS-00723-BIKT-DataSheet-2001

Form Page 1

Form Issued: 2004-01-28

Form Revised: 2007-15-10

Form Copyright ©2007 Underwriters Laboratories Inc.

Only those products bearing the UL mark should be considered as being covered by UL



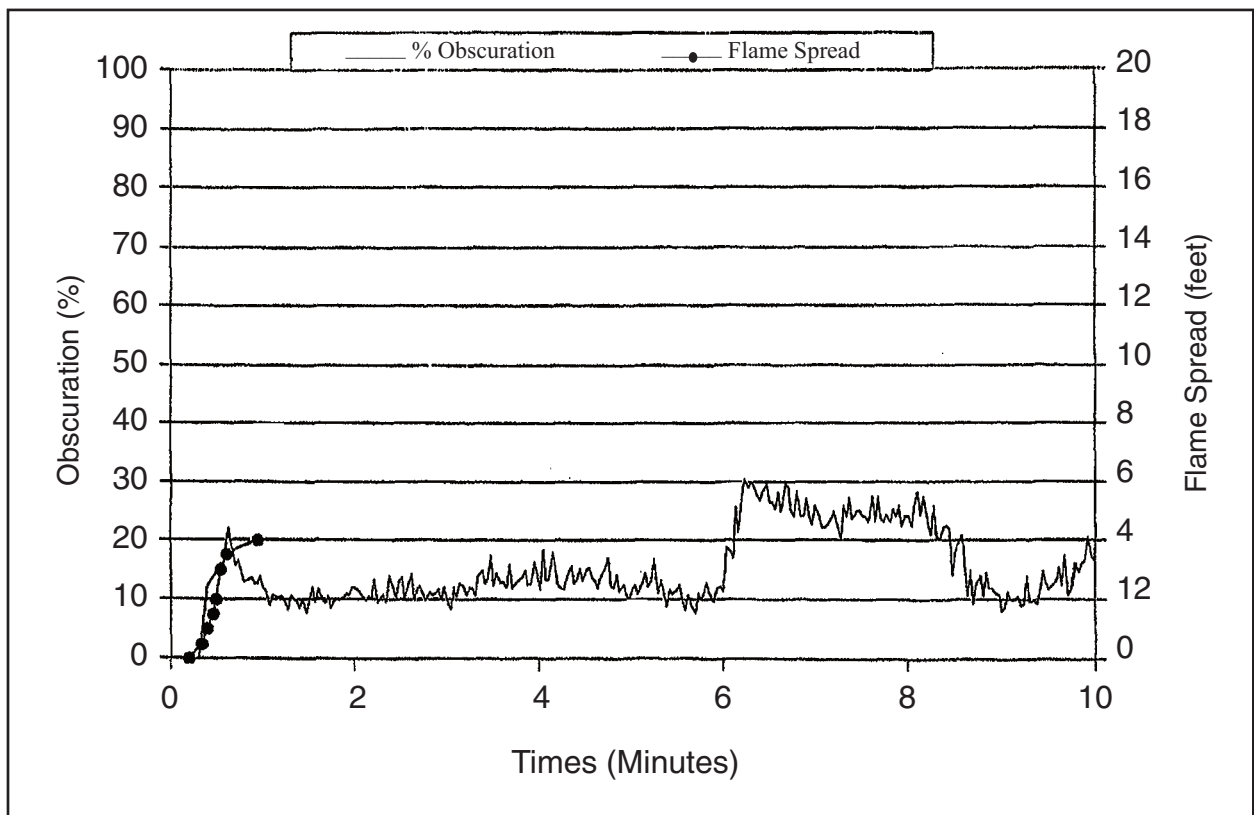
**ACOUSTICAL**  
Sound Solutions for Over 35 Years

**SURFACES INC.**

Soundproofing | Acoustics | Noise & Vibration Control

## Flame Spread / Smoke Results

**CFAB™**  
**2 in. cellulose/cotton acoustic matt**



Test Num.: 2  
R8078 / I0NK03143  
02161008

Flame Spread Index: 20  
Smoke Developed Index: 180  
Max. Flame Spread (ft.): 4.0