



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318  
 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)  
 Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

## We Identify and **S.T.O.P.** Your Noise Problems

### STEINER TUNNEL SUMMARY OF RESULTS

<b>ENGINEER</b>	: Bob Kiefer	<b>TECHNICIAN</b>	: Eric Schmitt
<b>FILE NO.</b>	: R19356	<b>TEST DATE</b>	: 4/19/00
<b>ASSIGNMENT NO.</b>	: D0NK13870	<b>TEST TIME</b>	: 7:40 AM
<b>APPLICANT</b>	: Rendered by Manufacturer for Acoustical Surfaces Inc.	<b>TEST CODE</b>	: 04190012
<b>MATERIAL</b>	: 1" Gray Cellulosic Board	<b>TEST NO</b>	: 3
		<b>MOUNTING</b>	: Rods and Wire

#### FLAME SPREAD RESULTS

<u>Distance (ft.)</u>	<u>Time (sec)</u>
0.00	18
0.50	30
1.00	36
2.00	40
2.50	46
3.00	52
3.50	59
4.00	85

Calculated Flame Spread (CFS):	19.09
Flame Spread Index (FSI):	20
Duration of test	10 min.
Time to Ignition	18 sec.
Maximum Flame Spread:	4 ft. prior to 10 minutes
Actual area under the Flame spread Curve (ft.-min):	37.1

#### SMOKE RESULTS

Calculated Smoke Developed (CSD):	58.3
Smoke Developed Index (SDI):	60
Area under the Smoke Curve:	2.06 square inches
Area under the Red Oak Curve:	3.54 square inches

**Flame Spread Index**  
20

**Smoke Developed**  
60



# Acoustical Surfaces, Inc.

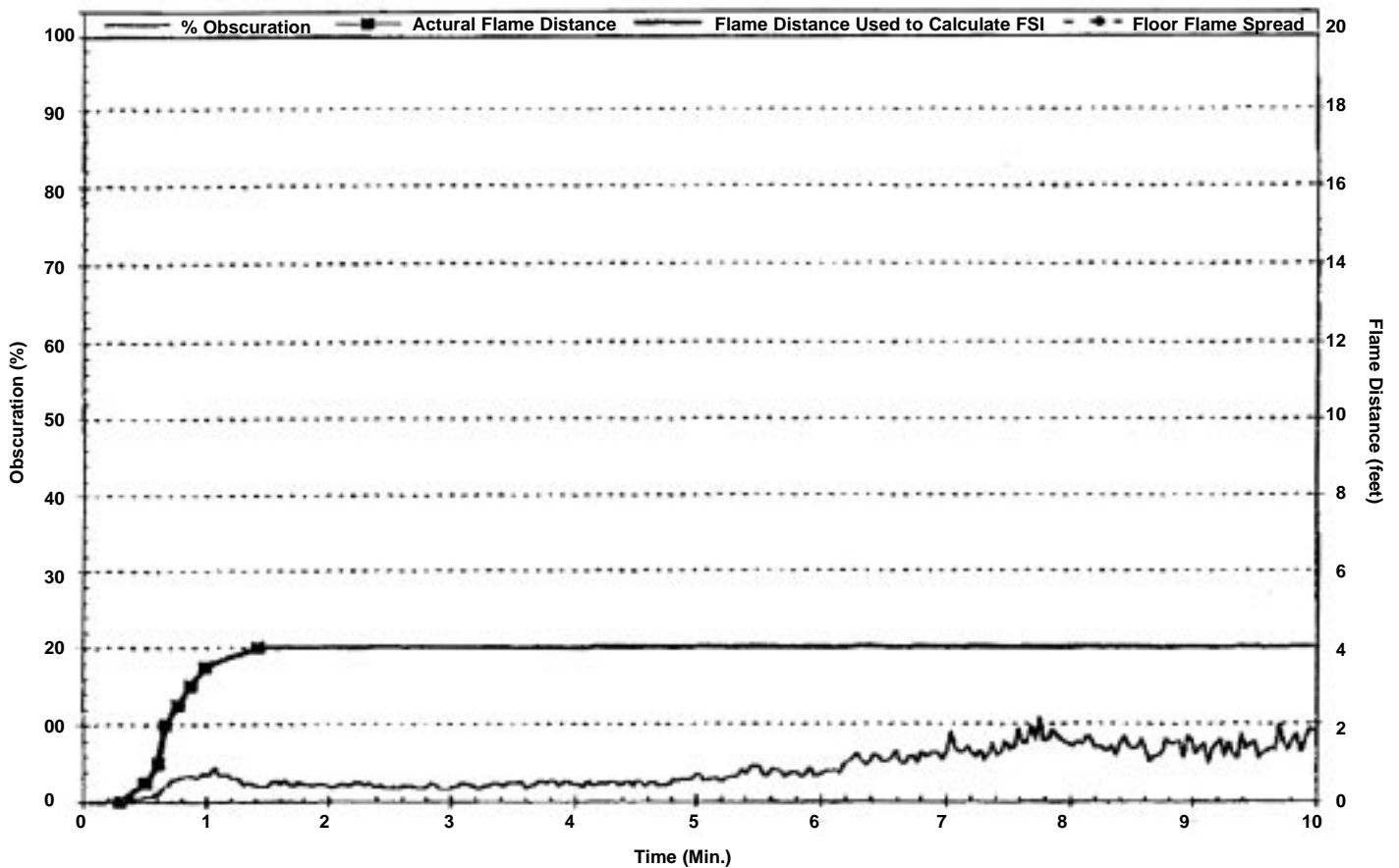
**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318  
(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)  
Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

## We Identify and **S.T.O.P.** Your Noise Problems

### Flame Spread / Smoke Results Rendered by Manufacturer for Acoustical Surfaces Inc. 1" GRAY CELLULOSIC BOARD



04190012  
R19356 / 00NK13870  
Test No. 3  
Test Location: North

Flame Spread Index = 20  
Smoke Developed Index = 60  
Max. Flame Spread = 4 ft.