



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
 Visit our Website: www.acousticalsurfaces.com

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

STEINER TUNNEL SUMMARY OF RESULTS

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



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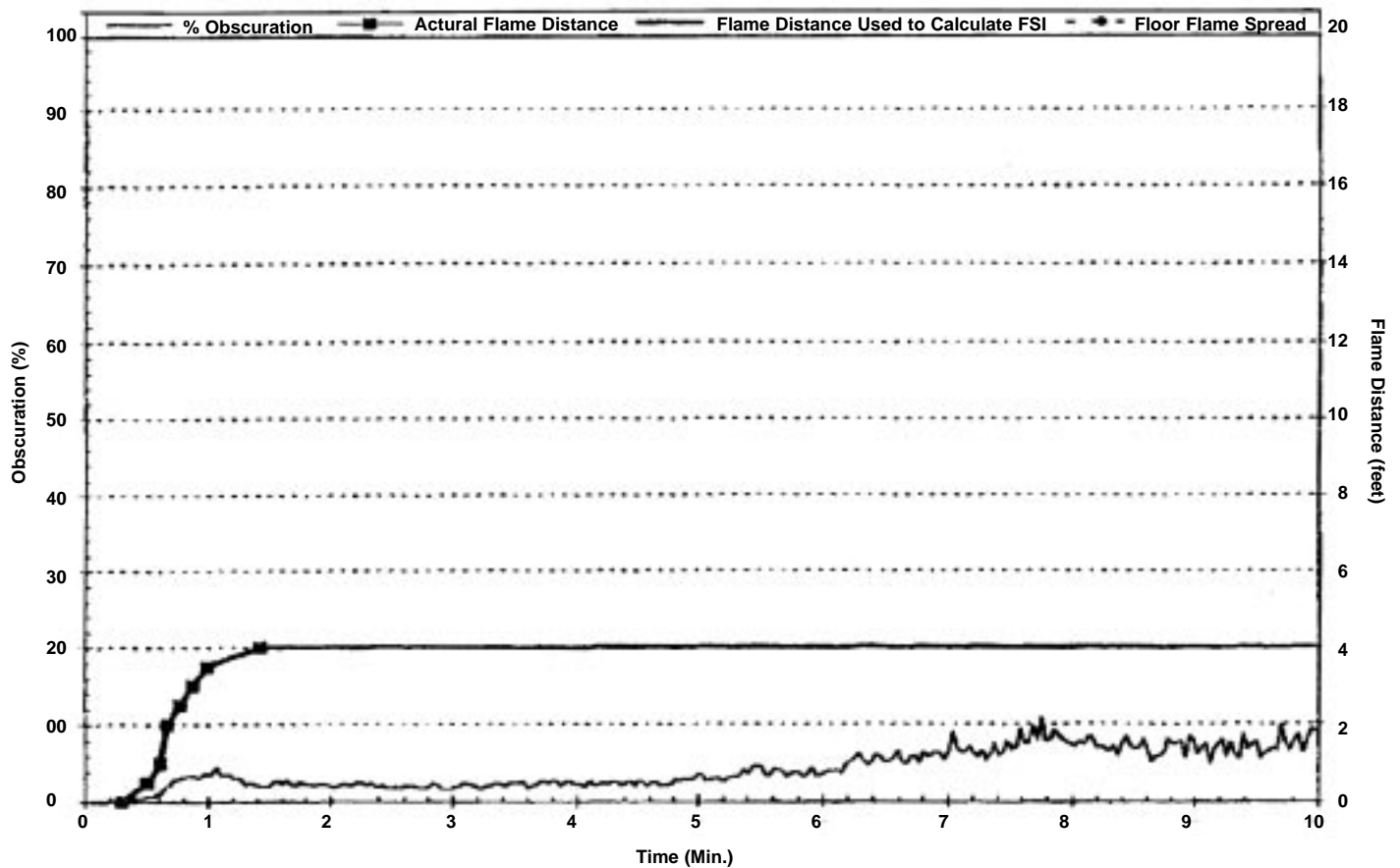
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Flame Spread / Smoke Results Rendered by Manufacturer for Acoustical Surfaces Inc. 1" GRAY CELLULOSIC BOARD



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

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