



Title: Fire Test Results

Product: 1" Echo Eliminator - Grey

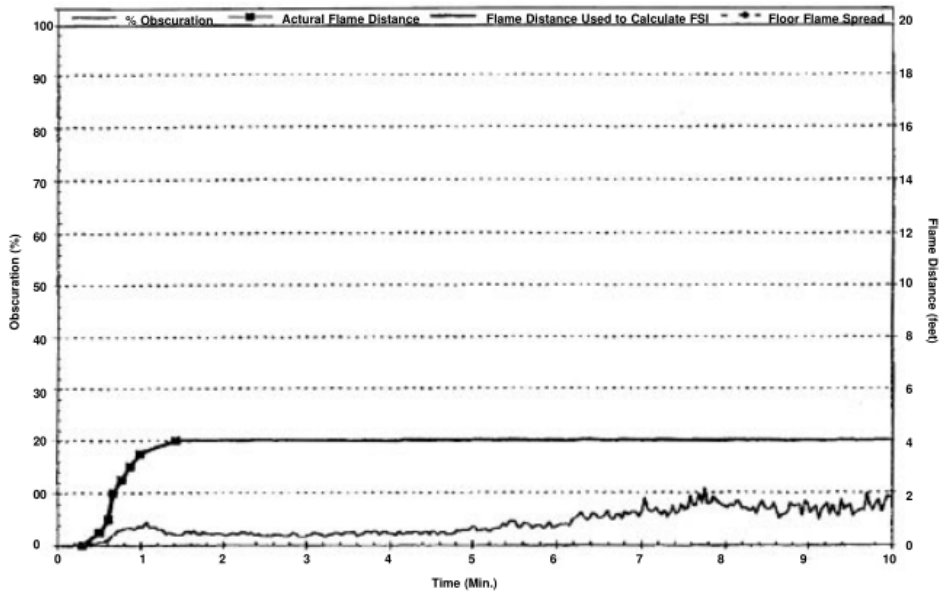
Application: Wall or Ceiling

Testing Standard: ASTM E84

Test Date: 04/19/2000

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: 60



Test ID: 04190012

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.

**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

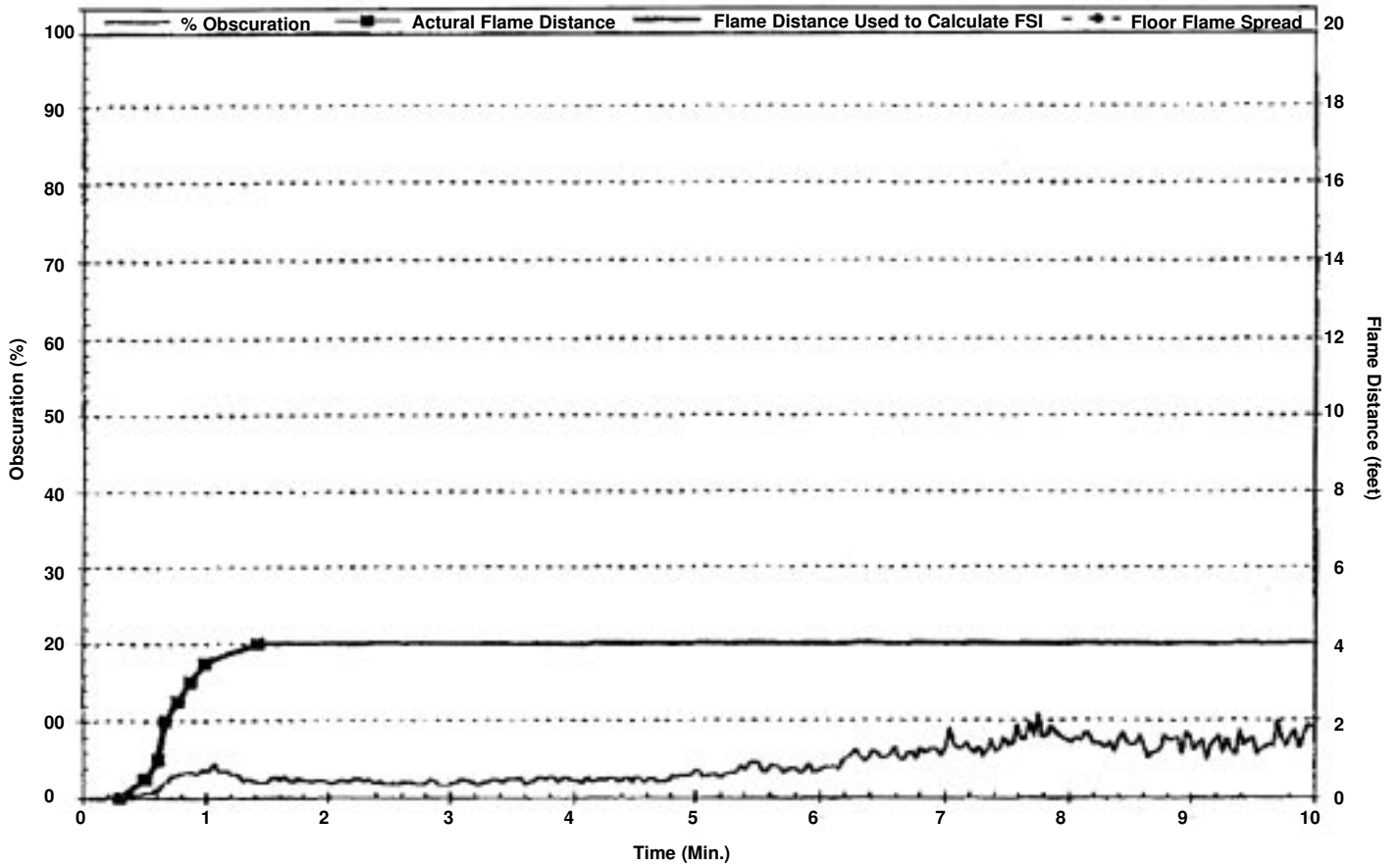
SMOKE RESULTS

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

**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.