



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



1341 North 108th. East Avenue
Tulsa, OK 74116
Tel: 918-437-8333
Fax: 918-437-8487

Report No.: 135052
Date: 2/14/00
Page 1 of 3

REPORT OF TEST

CLIENT: Rendered by Manufacturer for Acoustical Surfaces Inc.
123 Columbia Court North, Suite 201
Chaska, MN 55318

Attn: Tod Kean

SUBJECT: Testing of Non-Woven Natural Fiber Insulation for Compliance with ASTM C 739-97 Sections, 9.0, 11.0, 13.0, and 15.0 and ASTM E84

SAMPLE ID: Multiple pieces of Non-Woven Natural Fiber Insulation were received from the client on 12/27/99. The samples were received in good condition.

PROCEDURE: The material was tested for Compliance with ASTM C 739-97 Sections, 9.0, 11.0, 13.0, and 15.0 and ASTM E84.

Test Dates: 1/5/00 – 2/14/00.

RESULTS: The results are on the following page.

Jeff Simmons
Bk Dept. manager/Product Evaluation

Signed for the Company

Dale E. Holloway
Tulsa Branch Director

Member of the SGS Group

ANALYTICAL SERVICES • PERFORMANCE TESTING STANDARDS EVALUATION • CERTIFICATION SERVICES

SGS U.S. TESTING COMPANY INC. REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANYONE RELYING ON SUCH REPORTS SHOULD UNDERSTAND ALL OF THE DETAILS OF THE ENGAGEMENT. REPORTS REFLECT RESULTS ONLY OF THE STANDARDS OR PROCEDURES IDENTIFIED TO THE TESTS CONDUCTED AND ARE LIMITED TO THE SAMPLES TESTED. TEST RESULTS MAY NOT BE INDICATIVE OF THE QUALITIES OF THE LOT FROM WHICH THE SAMPLE WAS TAKEN. SGS U.S. TESTING COMPANY INC. HAS NOT CONDUCTED ANY QUALITY CONTROL PROGRAM FOR THE CLIENT. NEITHER THE NAME, SEALS, MARKS NOR INSIGNIA OF SGS U.S. TESTING COMPANY INC. MAY BE USED IN ANY ADVERTISING OR PROMOTIONAL MATERIALS WITHOUT THE PRIOR WRITTEN APPROVAL OF SGS U.S. TESTING COMPANY INC. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN PERMISSION OF THE SGS U.S. TESTING COMPANY INC. SAMPLES NOT DESTROYED IN TESTING ARE DISPOSED OF AFTER 30 DAYS.

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



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



CLIENT: Rendered by Manufacturer for
Acoustical Surfaces Inc.
123 Columbia Court North, Suite 201
Chaska, MN 55318

Report No.: 135052

Date: 2/14/00

Page 2 of 3

REPORT OF TEST

RESULTS:

ASTM C 739, Loose Fill Cellulose Insulation

	<u>Observed</u>	<u>Required</u>	
<u>9.0 Corrosiveness</u>			Pass
Aluminum	Non-corrosive	(Non-corrosive)	
Carbon Steel	Non-corrosive	(Non-corrosive)	
Copper	Non-corrosive	(Non-corrosive)	
<u>11.0 Fungi Resistance</u>			Pass
	Resistant	(Resistant)	
<u>13.0 Fungi Resistance</u>			Pass
	Not objectionable	Not objectionable	
<u>15.0 Thermal Resistance (3 per inch, Minimum)</u>			
<u>Test Results</u>	<u>Thickness</u>	<u>Thermal Resistance,</u>	
	<u>Inches</u>	<u>Total (R)</u>	
A	3.008	10.1	
B	3.006	10.3	



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



REPORT OF TEST

CLIENT: Rendered by Manufacturer for
 Acoustical Surfaces Inc.
 23 Columbia Court North, Suite 201
 Chaska, MN 55318

Report No.: 135052
 Date: 2/14/00
 Page 3 of 3

ASTM E 84, Flame Spread Index

	<u>Flame Spread Index</u>	<u>Smoked Developed Value</u>
5	5	35

Observations:

Ignition was noted after 33 seconds followed by charring of the specimen directly exposed to the flame. Also observed was nominal flaking. Afterburn was evident upon test completion.

Rating:

The National Fire Protection Association Life Safety Code 101, Section 6-5.3, "Interior Wall and Ceiling Finish Classification", has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, "Method", (ASTM E-84).

The classifications are as follows:

Class A Interior Wall & Ceiling Finish:	Flame Spread -	0 – 25
	Smoke Developed -	0 – 450
Class B Interior Wall & Ceiling Finish:	Flame Spread -	26 – 75
	Smoke Developed -	0 – 450
Class C Interior Wall & Ceiling Finish:	Flame Spread -	76 – 200
	Smoke Developed -	0 – 450

Since the sample received a Flame Spread of 5 and a Smoke Developed Value of 35, it would fall into the Class A Interior Wall & Ceiling Finish Category.

End of Report