



SGS U.S. Testing Company Inc.

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Report No.: 135052
Date: 2/14/00
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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. Holleway
Tulsa Branch Director

Member of the SGS Group

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RESULTS:

ASTM C 739, Loose Fill Cellulose Insulation

	<u>Observed</u>	<u>Required</u>	
9.0 <u>Corrosiveness</u>			Pass
Aluminum	Non-corrosive	(Non-corrosive)	
Carbon Steel	Non-corrosive	(Non-corrosive)	
Copper	Non-corrosive	(Non-corrosive)	
11.0 <u>Fungi Resistance</u>			Pass
	Resistant	(Resistant)	
13.0 <u>Fungi Resistance</u>			Pass
	Not objectionable	Not objectionable	

15.0 Thermal Resistance (3 per inch, Minimum)

<u>Test Results</u>	<u>Thickness Inches</u>	<u>Thermal Resistance, Total (R)</u>
A	3.008	10.1
B	3.006	10.3



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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