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Report No.: 135052
Date: 2/14/00
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CLIENT: Bonded Logic
411 East Ray Road
Chandler, AZ 85225

Attn: Tod Keari

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.

Signed for the Company


Jeff Simmons
Bk Dept. Manager/Product Evaluation


Dale E. Holloway
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>Odor Emission</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

REPORT OF TEST

CLIENT: Bonded Logic

ASTM E 84, Flame Spread Index

Flame Spread Index

Smoke Developed Value

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

REPORT OF TEST