

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: November 28, 2003
Test Date: October 20-November 28, 2003

Report #0310-62553
Performed for:
MechoShade Systems Inc.
42-03 35th Street
Long Island, NY 11101

Attention: Mr. Joel Berman

WORK REQUESTED:

Perform Fungus Resistance test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was Fabric identified as 034-KEA.

(P. O. #T80010741).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Fungus Resistance, Mixed Culture Method was performed for 28 days at 28°C to 31°C in accordance with the procedures of ASTM G21-02.

RESULTS:

The following determinations were made based upon the above test:

Received: 10/05/2001	Completed: 10/15/2001	Letter: W	her	P.O.#: T8006109	Test Report #: 2-37201-0-
Client's Identification	Thermoveil				
Tested For: Joel Berman	Mecho Shade Systems, Inc.			Key Test: NFPA 701-99 TM#1	125
	42-03 35 th Street			Tel: 1-(718)-729-2020	
	Long Island, NY 11101			Fax: 1-(718)-752-9507	

CONVERSION FACTOR:
g/m² + 28.35 x .835 = oz/yd²

- NOTES:
1. All specimens prepared in the length direction.
 2. See addendum for individual specimen weights.

REMARKS:
None.

CERTIFICATION:
I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 1999 Edition Test #1.

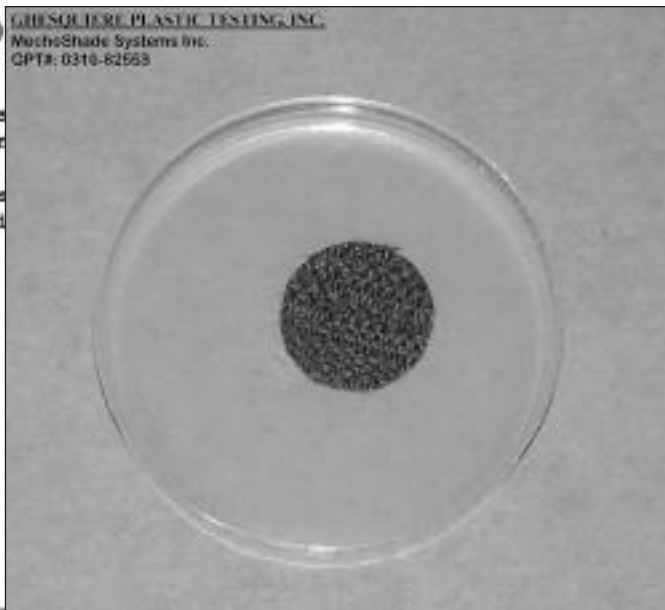
AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC.
jd

** Note (April 2000)
The NFPA 701 - 1999

The step-by-step test
and the 1999 Edition

Therefore, it is assumed
cites the 1996 Edition

GHESQUIERE PLASTIC TESTING, INC.
MechoShade Systems Inc.
GPT# 0310-82553



name for both the 1996 Edition
satisfy any building code which

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: December 5, 2003
Test Date: November 14-December 5, 2003

Report #0311-62739
Performed for:
MechoShade Systems Inc.
42-03 35th Street
Long Island City, NY 11101

Attention: Mr. John Maloney

WORK REQUESTED:

Perform Mildew Resistance - Pink Stain test on samples submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as T07-CZ Fabric.

(P. O. #T80010741).

WORK PERFORMED:

Test specimens were prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Mildew Resistance-Pink Stain testing was performed for 14 days at 28°C to 31°C in accordance with the procedures of GM 9303-P (9/88).

RESULTS:

The following determinations were made based upon the above test:

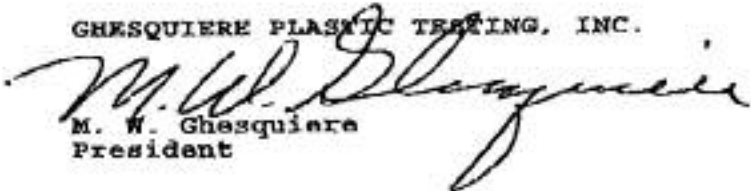
MILDEW RESISTANCE, PINK STAIN TEST

Requirement: No staining

Results

Specimen 1	No staining.
Specimen 2	No staining.
Specimen 3	No staining.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/iw
attachment

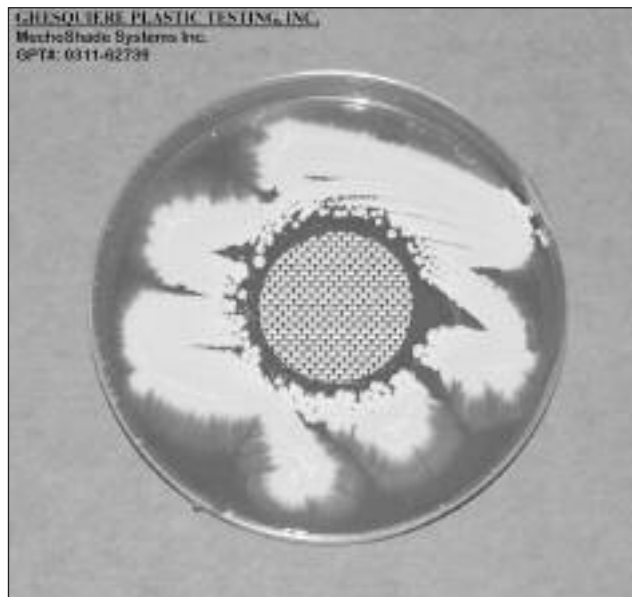
Our letters and reports are for the exclusive use of the client to whom they are addressed, and shall not be reproduced except in full without our written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the quality of apparently identical or similar products. The letters and reports and the name of Ghesquiere Plastic Testing, Inc., are not to be used under any circumstances in advertising to the general public. Samples will be destroyed 30 days after the date of the final report unless the client indicates otherwise in writing.

GHEQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
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Report Date: December 5, 2003
Test Date: November 14-December 5, 2003

Report #0311-62739
Performed for:
MechoShade Systems Inc.
42-03 35th Street
Long Island City, NY 11101



Received: 10/05/2001 Completed: 10/15/2001 Letter: W her P.O.#: T8006109 Test Report #: 2-37201-0-

Client's Identification

Thermoveil

Tested For: **Joel Berman**
Mecho Shade Systems, Inc.
42-03 35th Street
Long Island, NY 11101

Key Test: NFPA 701-99 TM#1 125

Tel: 1-(718)-729-2020
Fax: 1-(718)-752-9507

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Resistant Textiles and Films (Not Exceeding 700 g/m²); 1999 Edition - Test Method #1 (** see note on page 2)

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially; After 3 dry cleanings; After 5 Launderings @ 160°F

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)
1	5.6	0.0	4.7
2	6.0	0.0	39.4
3	2.0	0.0	3.9
4	8.4	0.0	4.9
5	10.0	0.0	35.6
6	0.0	0.0	5.9
7	11.8	0.0	4.8
8	0.0	0.0	4.9
9	8.4	0.0	26.0
10	2.0	0.0	5.2
		Mean: 0.0	Mean: 13.7

STATISTICAL VALUES: SD = 14.5 3 SD = 43.5 Mean + 3 SD = 17.2

ABBREVIATIONS USED: SD = Standard deviation.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 603 g/m²

FAILURE CRITERIA:

Afterflame (seconds)	Flaming Drip (seconds) Mean	Weight Loss (percent) Mean	Individual Specimen
	Exceeds 2.0	Exceeds 40%	Exceeds Mean + 3 SD

(* Afterflame is required to be recorded; however, it is not factored into the Failure Criteria.)

RETEST PROVISION: Where the percent weight loss of any individual specimen exceeds the mean value plus three standard deviations, the test shall be repeated once on another sample of 10 specimens.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:
 Passes; Fails; Testing of 10 additional specimens is required

(continued on page 2)

Invoice Copy

Received: 10/05/2001	Completed: 10/15/2001	Letter: W	her	P.O.#: T8006109	Test Report #:	2-37201-0-
Client's Identification	Thermoveil					
Tested For: Joel Berman			Key Test: NFPA 701-99 TM#1			125
Mecho Shade Systems, Inc. 42-03 35 th Street Long Island, NY 11101			Tel: 1-(718)-729-2020 Fax: 1-(718)-752-9507			
<p>CONVERSION FACTOR: $g/m^2 + 28.35 \times .835 = oz/yd^2$</p> <p>NOTE: 1. All specimens prepared in the length direction. 2. See addendum for individual specimen weights.</p> <p>REMARKS: None.</p> <p>CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 1999 Edition Test #1.</p> <p>----- AUTHORIZED SIGNATURE THE GOVMARK ORGANIZATION, INC. jd</p> <p>** Note (April 2000): The NFPA 701 - 1999 Edition supersedes the NFPA 701 - 1996 Edition.</p> <p>The step-by-step test implementation and test failure criteria are the same for both the 1996 Edition and the 1999 Edition.</p> <p>Therefore, it is assumed that this 1999 Edition test report will also satisfy any building code which cites the 1996 Edition.</p>						

Received: 10/05/2001 Completed: 10/14/2001 Letter: W1 her P.O.#: T8006109 Test Report #: 2-37201-1-DU

Client's Identification Thermoveil

Tested For: **Joel Berman** Key Test: NFFA 701-99 TM#2 Flat DURC 25
Mecho Shade Systems, Inc.
42-03 35th Street Tel: 1-(718)-729-2020 Ext: 210
Long Island City, NY 11101 Fax: 1-(718)-752-9507

Test Category: 701-99 TM2 Flat Specifier: Building Codes

TEST PERFORMED: NFFA 701 - Standard Methods of Fire Tests for Flame Resistant Textiles and Films 1999 Edition - Test Method #2 - Flat Sheet Specimens (** see note on page 2)

SPECIMEN CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially After 72 hours water leaching
 After 3 dry cleanings After 100 hours accelerated weathering
 After 5 launderings @ 160°F

RESULTS: Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0.0	1.6	216
2	0.0	0.0	205
3	0.0	0.0	205
4	0.0	0.0	200
5	0.0	0.0	220
6	0.0	0.0	245
7	0.0	0.0	247
8	0.0	0.0	230
9	0.0	0.0	230
10	0.0	0.0	263

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 603 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:
 Passes; Fails; Requires testing of 5 additional specimens

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFFA 701 - 1999 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson
AUTHORIZED SIGNATURE 11/15/02
THE GOVMARK ORGANIZATION, INC.

jd

DU.11.14.02

MS. HEATHER E. ROBERTSON continued on page 2)



Received: 10/05/2001	Completed: 10/14/2001	Letter: W1	ber	P.O.#: T8006109	Test Report #:	2-37201-1-DU
Client's Identification	Thermoveil					
Tested For: Joel Berman	Mecho Shade Systems, Inc. 42-03 35th Street Long Island City, NY 11101				Key Test: NFPA 701-99 TM#2 Flat DURC	25
				Tel: 1-(718)-729-2020	Ext: 210	
				Fax: 1-(718)-752-9507		

REMARKS:
None.

CONVERSION FACTORS:
mm + 25.4 = inches
g/m² + 28.35 x .035 = oz/yd²

** Note (April 2000):
The NFPA 701 - 1999 Edition supersedes the NFPA 701 - 1996 Edition.

The step-by-step test implementation and test failure criteria are the same for both the 1996 Edition and the 1999 Edition.

Therefore, it is assumed that this 1999 Edition test report will also satisfy any building code which cites the 1996 Edition.



AIR QUALITY SCIENCES, INC.
 Business Solutions for Healthy Indoor Environments

**PRODUCT EMISSIONS CRITERIA FOR ACCEPTABLE INDOOR AIR QUALITY
 TEXTILE**

Air Quality Sciences, Inc. (AQS) has tested the product(s) below following the environmental chamber guidelines of ASTM D 5116-97 and ASTM D 8670-01, the U.S. Environmental Protection Agency's (USEPA) Environmental Technology Verification (ETV) protocol, or the State of Washington (SOW). Test results indicate how the product's emissions compare to currently available GREENGUARD emission standards of the SOW, World Health Organization (WHO), and the German Federal Environmental Agency (Blue Angel Programs). The product is not certified by The GREENGUARD Environmental Institute (GEI), but favorable test results indicate that the product is low emitting and should be considered for certification. The product below has been tested once on the date indicated.

MANUFACTURER INFORMATION	Contact: John Maloney MechoShade Systems, Inc. 42-03 35th Street Long Island City, NY 11101 Phone: 718-729-2020
GREENGUARD™ Code Product Test Date	WTaA93-02 2//04/03
PRODUCT DESCRIPTION	TO7AA 1800 Series Thermoveil

Below you will see an organization and the specified compliance requirements for each of the qualifying protocols for that organization. A "Yes" indicates the product(s) have been found to meet the low-emission requirements, and a "No" indicates the product(s) have failed to comply with the low-emission requirements.

Acceptable Indoor Air Quality Criteria			Product Acceptable for IAQ
State of Washington (SOW)	Formaldehyde	0.05 ppm	Yes
	TVOC	0.50 mg/m ³	Yes
	Meets 1/10 th TLV for emitting VOCs		Yes
	Meets any regulated primary or secondary National Ambient Air Quality Standard (NAAQS)		Yes
U.S. Environmental Protection Agency (EPA)	TVOC	0.50 mg/m ³	Yes
	Formaldehyde	0.05 ppm	Yes
	Total Aldehydes	0.10 ppm	Yes
	4-phenylcyclohexene	0.0065 mg/m ³	Yes
U.S. Occupational Safety & Health Administration (OSHA)	Formaldehyde	0.10 ppm	Yes
World Health Organization (WHO)	Formaldehyde	0.10 ppm	Yes

Emissions data were obtained on the product as selected and delivered to AQS by the manufacturer. AQS did not oversee sample collection and packaging of product. AQS expressly disclaims any warranty or representation that the emissions criteria, met by the tested product, have been or will be approved, sanctioned, or authorized by any government agency, or that those emission criteria are sufficient or safe for human exposure. This product is not GREENGUARD Certified™. Test results that the product, as received and tested at AQS, initially meets acceptable IAQ criteria. For more information on GREENGUARD Certification Programs™ visit www.greenguard.org or call 1-800-427-9681. Copyright: ©2003 Air Quality Sciences, Inc.

M E M O R A N D U M

DATE: July 30, 1993

TO: All MechoShade Sales Personnel

FROM: Joel Berman

SUBJECT: NEW YORK STATE BUILDING MATERIALS AND FINISHES DATA
FILE, COMBUSTION TOXICITY PRODUCT DATA REPORT for DOS
FILE NUMBER 12050-900130-4109

RE: COMPARATIVE FIRE GAS TOXICITY RESULTS OF THERMOVEIL
FABRIC

In testing required by the State of New York, pertinent properties, (toxicity), of our ThermoVeil fabrics, we discovered very low fire gas toxicity values. This is notable versus other architectural materials such as wood and other natural fabrics, in view of the great concern and specifically the current monitoring in New York State of this critical life-safety property (toxicity).

The fact that the initial results suggest superior results than even that of wood, positions ThermoVeil in a most advantageous comparison. Results have been registered with the Fire Gas Toxicity File in New York State. The attached provided the specific comparative data.

Contact MechoShade Systems, Inc. for copies of the actual test or contact the State of New York, indicating the above referenced file number.