96-D Allen Boulevard Farmingdale, New York 11735-5626 USA Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956 e-mail: info@govmark.com

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495

 Received: 07/07/2006
 Completed:
 Letter: X1
 rb
 P.O.#: 000266014 REV 0
 Test Report #:
 2-63179-1

Client's Identification

STSWBF2 .8 Mils Vinyl 1 Mil Solvent Acrylic Adhesive

Identification

Flexcon Co, Inc

1 Flexcon Industrial Park, Office #4

Spencer, MA 01562-2642

Key Test: ASTM E 162

Tel: 1-(508)-885-8247

Ext:

Fax: 1-(508)-885-8399

Category: Radiant Panel

Tested For: Joann Dupre

Specifier: Transit Guidelines & Regs.

PC: 24H+ME

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.007"

TEST PERFORMED: ASTM E 162 - Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source

SPECIMEN PREPARATION:

- [] No backing required, as specimens exceeded 0.75" in thickness.
- [x] The specimens were backed by a 0.5" Etera board (a cement asbestos substitute).
- [] The back and sides of each specimen were wrapped with 0.002" thick aluminum foil.
- [] The face of each specimen was covered with 1.0" hexagonal wire mesh screen.
- [x] Specimens were mounted to a steel plate 0.06"thick (with self adhesive backing)

BRIEF DESCRIPTION OF TEST: The test specimen faces a radiant heat source. At the beginning of the test period an igniting flame impinges at the top of the specimen. Visual observation is made of the downward progression of the flame front. The heat given off by the burning specimen is automatically recorded. The combination of the two factors, flame front progression and heat, results in a Flame Spread Index.

| | | | | | | | | | | Flaming Dripping, |
|----------|-----------------------------|------|------|-------|-------|--------|-----|-------|------------|----------------------|
| RESULTS: | : Flame Progression (mm:ss) | | | | Net | | | Flame | or Flaming | |
| | | | | | | Stack | | | Spread | Running |
| Specimen | 3.0" | 6.0" | 9.0" | 12.0" | 15.0" | Rise°C | Q | FS | Index | (yes/no) |
| | | | | | | | | | | |
| 1 | FN | FN | FN | FN | FN | 24.9 | 6.0 | 1.0 | 6.0 | No |
| 2 | FN | FN | FN | FN | FN | 15.2 | 3.6 | 1.0 | 3.6 | No |
| 3 | FN | FN | FN | FN | FN | 13.7 | 3.3 | 1.0 | 3.3 | No |
| 4 | FN | FN | FN | FN | FN | 11.2 | 2.7 | 1.0 | 2.7 | No |
| | | | | | | | | | | |

Avg: 3.9

ABBREVIATIONS USED:

F = Flashed beyond benchmark.

FN = Flame front did not reach this benchmark.

CALCULATION FACTORS:

Etera board correction factor: .29

Beta: 23.83

FLUX: 3.3-2.07-0.96 (Flux Transducer # 6024)

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REMARKS: Non Sustained

Flame Front Sustained All Drips



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| Client's Identification Tested For: J F 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Ocann Dupre Elexcon Co, Inc Flexcon Industrial In Expenser, MA 01562- Off Gas Ignition (yes/no) Yes Yes Yes Yes Yes Yes Yes The stignition. | Park, Office 2642 Fla Ign (mm DN DN DN | me Front ition at ::ss) I I | Flan Out (mm: | lhesive | Test End (mm:ss) 15:00 15:00 15:00 | 8)-885-8247 | Ext: | 2-63179-1- 495 |
|---|--|--|------------------------------|-----------------------------|------------------------------|---|--|---------|-------------------|
| Specimen # 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Obann Dupre Elexcon Co, Inc Flexcon Industrial Inspencer, MA 01562- Off Gas Ignition (yes/no) Yes Yes Yes Yes Yes Yes Yes ONS USED: Not ignition. Applicable. CRITERIA: For | Park, Office 22642 Fla Ign (mm DN DN DN | #4 me Front ition at ::ss) I | Flam Out (mm: N/ N/ | ming :ss) /A /A | Tel: 1-(50) Fax: 1-(50) Test End (mm:ss) 15:00 15:00 15:00 | 8)-885-8247 8)-885-8399 Flame on Test Floor (yes/no) No No | Ext: | 495 |
| Specimen # 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Clexcon Co, Inc Flexcon Industrial I Flexcon I Fle | Fla Ign (mm DN DN DN | me Front ition at ::ss) I I | Out (mm: N/ N/ | ming :ss) /A /A | Tel: 1-(50) Fax: 1-(50) Test End (mm:ss) 15:00 15:00 15:00 | 8)-885-8247 8)-885-8399 Flame on Test Floor (yes/no) No No | Ext: | 495 |
| Specimen # 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Off Gas Ignition (yes/no) Yes Yes Yes Yes Yes ONS USED: not ignition. applicable. CRITERIA: For | Fla Ign (mm DN DN DN | me Front ition at ::ss) I I | Out (mm: N/ N/ | :ss) /A /A | Test End (mm:ss) 15:00 15:00 15:00 | Flame on Test Floor (yes/no) No No | Ext: | |
| 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Ignition (yes/no) Yes Yes Yes Yes Yes ONS USED: not ignition. applicable. CRITERIA: For | Ign (mm DN DN DN | ition at :ss) I I I | Out (mm: N/ N/ | :ss) /A /A | (mm:ss) 15:00 15:00 15:00 | Test Floor (yes/no) No No No | | |
| 1 2 3 4 ABBREVIATIO DNI = Did r N/A = Not a | Yes Yes Yes Yes Yes ONS USED: not ignition. applicable. CRITERIA: For | DN DN DN | I I | N/ N/ | /A /A /A | 15:00 15:00 15:00 | No No No | | |
| DNI = Did r N/A = Not a | not ignition. applicable. CRITERIA: For | panels*, | | | | | | | |
| ACCEPTANCE | | panels*, | | | | | | | |
| | e Spread Index s | | seats, mat | tress fr | rames - | - | | | |
| | ng dripping, or | | | | rmitted. | | | | |
| | s include: Wal | | ngs, parti | tion tak | bles & s | helves, HVAC | ducting, | | |
| SPECIFIERS: | | | | | | | | | |
| | ral Railroad Adm ral Register Not | | | ocedures | s & Perf | ormance Crite | eria, | | |
| | Recommended Fir et #90-A publish | = | | for Tran | nsit Bus | & Van Materi | als Selection | | |
| 3. Amtra | ac Specification | #352 Sec | tion 3.5 d | ated 1/2 | 29/90 | | | | |
| 4. NFPA | 130 Section 4.2 | .4 Interi | or Fire Pr | opagatio | on Resis | tance | | | |
| CONCLUSION: | Based on the | above Res | ults and A | cceptano | ce Crite | ria, the item | n tested: | | |
| [x] Comp | olies | |] |] Does | not com | ply | | | |
| | ON: I certify cocedures and eq | | | | | ed after test | ing specimens | in acco | ordance |
| AUTHORIZED THE GOVMARK | SIGNATURE CORGANIZATION, | INC. /rb | | (Pa | age 2 of | 2) | | | |



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Flaming

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Received: 07/07/2006 | Completed: 07/17/2006 | Letter: X | rb | P.O.#: 000266014 REV 0 | Test Report #: 2-63179-0-

Client's Identification

STSWBF2 .8 Mils Vinyl 1 Mil Solvent Acrylic Adhesive

Tested For: Joann Dupre Key Test: ASTM E 662 465

Flexcon Co, Inc

1 Flexcon Industrial Park, Office #4 Tel: 1-(508)-885-8247 Ext:

Category: Smoke Density Specifier: Transit Guidelines/Regs. PC: 24H+ME

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.007"

TEST PERFORMED: ASTM E 662 - Standard Test Method For Specific Optical Density of Smoke Generated by Solid Materials (NFPA Designation No. 258), as modified by the transportation industry (see "Acceptance Criteria")

Flaming

| RESULTS: | | | Dripping, or Flaming | Non | Dripping, or Flaming |
|------------------|------------|---------|-------------------------|---------|-------------------------|
| Specific Optical | | Flaming | Running** | Flaming | Running ** |
| Density at: | Specimen # | Mode | (yes/no) | Mode | (yes/no) |
| | | | | | |
| 90 Seconds: | 1 | 26 | No | 21 | No |
| | 2 | 29 | No | 23 | No |
| | 3 | 27 | No | 24 | No |
| | Avg: | 27 | A | vg: 23 | |
| 4 Minutes: | 1 | 36 | No | 30 | No |
| | 2 | 34 | No | 32 | No |
| | 3 | 29 | No | 30 | No |
| | | | - | | |
| | Avg: | 33 | rA | vg: 31 | |

NOTE: An asterisk (*) next to a result indicates that the value is lower than the earlier value as a result of a correction for particle deposits on the glass which is part of the optical system.

REMARKS: Specimens were mounted to a steel plate 0.06" thick (with self adhesive).

ACCEPTANCE CRITERIA: For panels***, seat frames & shrouds, mattress frames --

Flaming dripping, or flaming running is not permitted.

(*** Panels include: Walls, ceilings, partition tables & shelves, HVAC ducting, windows, and light diffusers)

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| Received:07/07/2006 Completed:07/17/2006 Letter: X | rb | P.O.#: 000266014 REV | 0 Test Report #: | 2-63179-0- |
|--|-----------|-----------------------------|----------------------------------|---------------|
| Client's STSWBF2 .8 Mils Vinyl 1 Mil Solvent . Identification | Acrylic A | Adhesive | | |
| Tested For: Joann Dupre | | Key Test: AS | STM E 662 | 465 |
| Flexcon Co, Inc 1 Flexcon Industrial Park, Office #4 Spencer, MA 01562-2642 | | | (508)-885-8247 (508)-885-8399 | Ext: |
| SPECIFIERS: | | | | |
| Federal Railroad Administration Test Proce Federal Register Notice dated 6/26/02 UMTA Recommended Fire Safety Practices for Docket #90-A published 10/20/93 | | | | |
| 3. Amtrac Specification #352 Section 3.5 date | | | | |
| 4. NFPA 130 Section 4.2.4 Interior Fire Propa | agation | Resistance | | |
| <pre>(** Flaming dripping or flaming running are r acceptance criteria established by the transg category.)</pre> | | | | |
| CONCLUSION: Based on the above Results and A | Accepta: | nce Criteria, the it | tem tested: | |
| [x] Complies; [] Does not comply | | | | |
| CERTIFICATION: I certify that the above result with the procedures and equipment specified k | | | | in accordance |
| AUTHORIZED SIGNATURE | | | | |
| THE GOVMARK ORGANIZATION, INC. /rb | | | | |
| | (: | Page 2 of 2) | | |

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