



Received: 08/06/2014 Completed: 08/07/2014 Letter: D RR P.O.#: Test Report #: 3-03593-0-

Client's Identification Style: Vortex Soft T230. Composition: Polyester. Product End Use: Banner & Signage.

Tested For: **Kylie Schleicher** Key Test: NFPA 701-2010 TM#1 205
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-627-8608 Ext:
Randolph, NJ 07869 Fax: 1-()- -

PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
- 2010 Edition - Test Method #1

PRODUCT CONFIGURATION: ☒ Single Layer; ☐ Multi Layer

RESULTS REPORTED: ☒ Initially; ☐ After 3 dry cleanings; ☐ After 5 launderings @ 160°F

RESULTS:

| Afterflame* Specimen # | Flaming Drip (seconds) | Weight Loss (seconds) | (percent) |
|---------------------------|---------------------------|--------------------------|------------|
| 1 | 0.0 | 0 | 25.0 |
| 2 | 2.7 | 0 | 25.0 |
| 3 | 0.0 | 0 | 22.1 |
| 4 | 0.0 | 0 | 24.6 |
| 5 | 0.0 | 0 | 29.4 |
| 6 | 0.0 | 0 | 17.4 |
| 7 | 0.0 | 0 | 23.2 |
| 8 | 0.0 | 0 | 24.6 |
| 9 | 3.0 | 0 | 21.1 |
| 10 | 0.0 | 0 | 21.7 |
| Mean: | | 0 | Mean: 23.4 |

STATISTICAL VALUES: SD = 3.2 3 SD = 9.5 Mean + 3 SD = 32.9

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 223 g/m²

PRECONDITIONING: ☒ 0.5 hr @ 220°F (Standard)
☐ 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

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

NOTE:

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



| | | | | | | |
|-------------------------------------|---|------------------------------|----|--------|----------------|------------|
| Received:08/06/2014 | Completed:08/07/2014 | Letter: D | RR | P.O.#: | Test Report #: | 3-03593-0- |
| Client's Identification | Style: Vortex Soft T230. Composition: Polyester. Product End Use: Banner & Signage. | | | | | |
| Tested For: Kylie Schleicher | | Key Test: NFPA 701-2010 TM#1 | | | 205 | |
| Ultraflex Systems Inc. | | | | | | |
| 1578 Sussex Tpk., Bldg. #4 | | Tel: 1-(973)-627-8608 | | | Ext: | |
| Randolph, NJ 07869 | | Fax: 1-()- - | | | | |

REMARKS:

- ☒ Flames did not project above the top of the specimen.
☐ Flames projected above the top of the specimen; Specimen #'s _____
☒ Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.

FAILURE CRITERIA: As cited by NFPA 701 - 2010 Edition Test Method #1

| Afterflame | Flaming Drip (Mean) | Weight Loss (percent) | |
|------------|------------------------|-----------------------|-----------------------|
| | | Mean | Individual Specimen |
| * | Exceeds 2 seconds | Exceeds 40% | Exceeds Mean + 3 SD** |

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2010 Edition Test Method #1, the item tested:

- ☒ Passes; ☐ Fails; ☐ Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames (15 seconds or more) could be cause for rejection by local fire authorities performing "match" field tests.

** See "Discussion" on Page 3.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2010 Edition Test Method #1.



AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. /pm

AUG 13 2014

/gb

MS. PHYLLIS PETTIT



| | | | | | | |
|---|---|-----------|----|------------------------------|----------------|------------|
| Received:08/06/2014 | Completed:08/07/2014 | Letter: D | RR | P.O.#: | Test Report #: | 3-03593-0- |
| Client's Identification | Style: Vortex Soft T230. Composition: Polyester. Product End Use: Banner & Signage. | | | | | |
| Tested For: Kylie Schleicher Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869 | | | | Key Test: NFPA 701-2010 TM#1 | | 205 |
| | | | | Tel: 1-(973)-627-8608 | | Ext: |
| | | | | Fax: 1-()- - | | |

** DISCUSSION:

Weight Loss - Individual Specimen Failure:

The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

Client Name : Ultraflex Systems Inc.
Addendum to Test Report # : 3-03593-0-D
Test : NFPA 701

| Specimen # | Weight Before Test (g) | Weight After Test (g) | Percent Weight Loss |
|------------|--------------------------|-------------------------|---------------------|
| 1 | 13.60 | 10.20 | 25.0 |
| 2 | 13.60 | 10.20 | 25.0 |
| 3 | 13.60 | 10.60 | 22.1 |
| 4 | 13.80 | 10.40 | 24.6 |
| 5 | 13.60 | 9.60 | 29.4 |
| 6 | 13.80 | 11.40 | 17.4 |
| 7 | 13.80 | 10.60 | 23.2 |
| 8 | 13.80 | 10.40 | 24.6 |
| 9 | 14.20 | 11.20 | 21.1 |
| 10 | 13.80 | 10.80 | 21.7 |

Mean Percent Weight Loss : 23.4
Standard Deviation : 3.2
3 x Standard Deviation : 9.5
Mean + 3 x Standard Deviation : 32.9

AUG 13 2014





Received:08/06/2014 Completed:08/07/2014 Letter: D1 P.O.#: Test Report #: 3-03593-1-

Client's Identification Style: Vortex Soft T230. Composition: Polyester. Product End Use: Banner.

Tested For: **Kylie Schleicher** Key Test: CA 1237 Sm 175
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-627-8608 Ext:
Randolph, NJ 07869 Fax: 1-()- -

PC: 1H /jd

TEST PERFORMED: California Fire Marshal Title 19: Section 1237 (Proposed Revision 8/9/93) Fire Resistance; Small Scale Test - INTERIOR MATERIALS QUALIFICATION

RESULTS REPORTED: [x] Initially
[] After 3 dry cleanings
[] After 5 launderings @ 160°F

| RESULTS: | Specimen # | Afterflame (seconds) | Afterglow (seconds) | Char Length (inches) |
|----------|------------|-------------------------|------------------------|-------------------------|
| Warp: | 1 | 18.9 | 0 | 5.3 |
| | 2 | 28.4 | 0 | 6.0 |
| | 3 | 9.6 | 0 | 5.2 |
| | 4 | 21.0 | 0 | 5.7 |
| | 5 | 16.5 | 0 | 5.2 |
| | Avg: | (18.9) | | |
| Fill: | 6 | 0.0 | 0 | 5.5 |
| | 7 | 0.0 | 0 | 3.7 |
| | 8 | 0.0 | 0 | 4.0 |
| | 9 | 0.0 | 0 | 3.0 |
| | 10 | 0.0 | 0 | 3.9 |
| | Avg: | 0.0 | | |

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 6.7 oz/yd²

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum average for warp or fill
Afterglow: (see Note #2 below)
Char Length: 6.0 inches maximum for any individual specimen

Notes:

1. An asterisk (*) next to any char length measurement indicates that a part of the char length is melt away due to heat from the flame source and not from propagating flame. Therefore, the sample submitted meets the requirements of Title 19 - California Code of Regulations, Section 1237 and 1237.1 for materials weighing less than 4 oz/yd².
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.



| | | | | | |
|-------------------------------------|---|-----------------------|--------|----------------|------------|
| Received:08/06/2014 | Completed:08/07/2014 | Letter: D1 | P.O.#: | Test Report #: | 3-03593-1- |
| Client's Identification | Style: Vortex Soft T230. Composition: Polyester. Product End Use: Banner. | | | | |
| Tested For: Kylie Schleicher | | Key Test: CA 1237 Sm | | | 175 |
| Ultraflex Systems Inc. | | Tel: 1-(973)-627-8608 | | | Ext: |
| 1578 Sussex Tpk., Bldg. #4 | | Fax: 1-()- - | | | |
| Randolph, NJ 07869 | | | | | |

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

[] Complies; [x] Does not comply

REMARKS: None.

NOTE: In August 1993 the State Fire Marshal issued a proposed revision, which permitted a maximum average Afterflame of 4.0 seconds. This proposed revision was honored by the subsequent State Fire Marshals until approximately February 2004, at which time the State Fire Marshal's office reverted to the unrevised rule of 1 second maximum average (Section 1261) for interior fabric.

In a conversation with the latest California State Fire Marshal on August 9, 2007, it was learned that the proposed 1993 revision is now back in effect. In addition to allowing 4 seconds Afterflame rather than 1 second, the proposed revision provides for testing of 10 specimens, rather than 6 specimens. This information has again been verified current per an August 2013 correspondence with the California State Fire Marshall.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by California Fire Marshal Title 19: Section 1237 Small Scale (Proposed Revision 8/9/93).

AUG 13 2014


AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /pm

/gb

MS. PHYLLIS PETTIT

(Page 2 of 2)