

Flame-resistance documentation

Every vinyl Southern Patio Enclosures installs is certified flame resistant to NFPA 701. The paperwork behind that statement follows this page, unaltered, for your fire marshal, architect or general contractor.

WHAT IS IN THIS PACK

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Solid vinyl — Certificate of Flame Resistance

F/R 18 oz Big Tex. California State Fire Marshal registration F-41501. NFPA 701 Test 1 (small scale) and Test 2 (large scale), CPAI-84, NYC MEA. Issued by Seattle Textile Company. Treatment is permanent for the life of the fabric. Expires 12/31/2028.

Pages 3–4

Clear vinyl — SGS Govmark test report

Super Clear PVC, product end use tent, door, window. NFPA 701-2019 Test Method 2, flat sheet specimens, single layer: all ten specimens passed (afterflame 0 s, no flaming drip, char length within limits). Report 3-33231-0, certified 5 July 2019.

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Solid vinyl — Big Tex 18 oz FR specification sheet

Weight, construction, tensile, tear, adhesion, cold crack and the fire rating with the test method behind each figure. Available colours.

THE SHORT VERSION FOR THE PLAN REVIEWER

Standard: NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

Solid vinyl: CSFM-registered flame-resistant fabric, certificate F-41501, permanent treatment.

Clear vinyl: NFPA 701 Test Method 2 pass, SGS Govmark report 3-33231-0.

Shade mesh: woven mesh fabrics carry the same NFPA 701 rating; manufacturer sheets on request.

Egress: framed doors meet fire-marshal egress requirements; drawing in the technical appendix.

CERTIFICATE OF FLAME RESISTANCE

REGISTERED APPLICATION NUMBER



F - 41501

TRADE NAME
of
FLAME-RESISTANT FABRIC

F/R 18oz BIG TEX

ISSUED BY

SEATTLE TEXTILE COMPANY
3434 2nd Avenue South
Seattle, WA 98134

This is to certify that the materials described below have been flame-retardant treated
(or are inherently nonflammable) and were supplied to:

Description: 61" 18oz "F/R" BIG TEX

BEAT THE HEAT SHADING SYSTEMS
13413 FRANKFORD AVE., SUITE A
LUBBOCK, TX 79242

Style: I-TRW10131817(M) Item #: VI-ST18-061-XXM

Color(s): White, Royal, Navy, Red, Green, Brown, Tan, Black and Gray

Certification is hereby made that:

The articles described on this certificate have been made from a flame-resistant Fabric
Registered and approved by the California State Fire Marshal, equal to or exceeds CSFM,
NFPA 701 – Test 1 (Small Scale), NFPA 701 – Test 2 (Large Scale), CPAI-84, & NYC MEA

The Flame Retardant Process Used WILL NOT Be Removed By
Washing And Is Effective For The Life Of The Fabric

SEATTLE TEXTILE COMPANY

Name of Applicator of Flame Resistant Finish

Signed: *Scott Kaczmarek*

Certification Specialist – Scott Kaczmarek / Seattle Textile Company

~~~ This Certificate Expires on: **12/31/2028** ~~~



GOVMARK

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

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Received: 06/28/2019 Completed: 07/02/2019 Letter: A JR P.O.#: Test Report #: 3-33231-0-

Client's Identification Style: Super Clear PVC. Product End Use: Tent Door, Window.

Tested For: Jackie Jiang/Qing Zhang

Soyang Technical Textile (Zhejiang) Co., Ltd  
No.36 Jinniu Rd. Jianshan District  
Haininh City, Zhejiang PR, China

Key Test: NFPA 701-2019 TM#2 Flat

525

Tel: 011 86- 571 28918687 Ext:  
Fax:

LE:2019 NE:2021 V:12/18 NTR 04/16

PC:1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films  
- 2019 Edition - Test Method #2 - Flat Sheet Specimens

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<br>Specimen # | Afterflame<br>(seconds) | Flaming<br>Drip/Debris<br>(seconds) | Char Length<br>(mm) |
|----------------------|-------------------------|-------------------------------------|---------------------|
| 1                    | 0                       | 0.0                                 | 337                 |
| 2                    | 0                       | 0.0                                 | 301                 |
| 3                    | 0                       | 0.0                                 | 292                 |
| 4                    | 0                       | 0.0                                 | 284                 |
| 5                    | 0                       | 0.0                                 | 232                 |
| 6                    | 0                       | 0.8                                 | 248                 |
| 7                    | 0                       | 0.0                                 | 254                 |
| 8                    | 0                       | 0.0                                 | 237                 |
| 9                    | 0                       | 0.0                                 | 299                 |
| 10                   | 0                       | 0.0                                 | 230                 |

APPROXIMATE WEIGHT OF MATERIAL (as measured by SGS Govmark): 636 g/m<sup>2</sup>

FAILURE CRITERIA: For each individual specimen --

| Afterflame          | Drip/Debris 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

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File Copy

**SGS****GOVMARK**

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Farmingdale, New York 11735-5626 USA  
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email: govmark.accounting@sgs.com

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|                     |                      |           |    |        |                |            |
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**Client's  
Identification**

Style: Super Clear PVC. Product End Use: Tent Door, Window.

**Tested For: Jackie Jiang/Qing Zhang**

Soyang Technical Textile (Zhejiang) Co., Ltd  
No.36 Jinniu Rd. Jianshan District  
Haininh City, Zhejiang PR, China

**Key Test: NFPA 701-2019 TM#2 Flat**

525

**Tel: 011 86- 571 28918687 Ext:****Fax:**

PRECONDITIONING: [ ] 1 hr @ 220°F (Standard)  
[x] 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS: None.

**CONVERSION FACTORS:**

mm ÷ 25.4 = inches

g/m<sup>2</sup> ÷ 28.35 x .835 = oz/yd<sup>2</sup>

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

-----  
AUTHORIZED SIGNATURE

SGS GOVMARK

/gb

/pm

Phyllis Pettit

JUL 05 2019

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**SOUTHERN PATIO ENCLOSURES**  
*Premium Commercial Vinyl Solutions*

**BIG TEX 18oz FR**  
**Flame Retardant Solid Vinyl**

Heavy-duty 18oz flame-retardant solid vinyl designed for commercial outdoor enclosures. Ideal for restaurants, breweries, theme parks, and high-traffic outdoor environments requiring durability, weather protection, and fire safety compliance.

**KEY FEATURES & BENEFITS**

- California State Fire Marshal (CSFM) approved – meets strict fire safety standards
- NFPA 701 compliant (Small & Large Scale)
- UV resistant & Anti-Mildew treated for long-term outdoor performance
- Heavy-duty 18oz construction – excellent tear and tensile strength
- Smooth matte finish – professional appearance with reduced glare
- Flame retardant treatment is permanent – will not wash out

**TECHNICAL SPECIFICATIONS**

| PROPERTY       | SPECIFICATION                                    | TEST METHOD          |
|----------------|--------------------------------------------------|----------------------|
| Weight         | 18 oz/yd <sup>2</sup> (18.5 oz/yd <sup>2</sup> ) | FS 5040 / ASTM D3776 |
| Width          | Up to 61"                                        | —                    |
| Construction   | 18 x 17 / 1000 x 1300                            | —                    |
| Grab Tensile   | 375 x 375 lbs / 1"                               | FS 5100 / ASTM D5034 |
| Tongue Tear    | 100 x 100 lbs / 1"                               | FS 5134 / ASTM D2261 |
| Adhesion       | 26 lbs / 2"                                      | FS 5970 / ASTM D751  |
| Cold Crack     | -30° F                                           | FS 5874 / ASTM D2136 |
| Fire Retardant | California State (CSFM), NFPA 701                | Pass                 |

**FIRE & SAFETY CERTIFICATION**

**Certificate of Flame Resistance: F-41501**

- California State Fire Marshal (CSFM) Approved
- NFPA 701 – Test 1 (Small Scale) & Test 2 (Large Scale)
- CPAI-84 & NYC MEA Compliant
- Flame retardant treatment is permanent and effective for the life of the fabric

**AVAILABLE COLORS**

Tan • White • Black • Gray • Navy • Royal • Red • Green • Brown

*Ideal for commercial patio enclosures, food & beverage carts, theme parks, and high-traffic outdoor applications.*

Contact Southern Patio Enclosures for current pricing, lead times, and custom fabrication options.