512-782-8787
southernpatioenclosures.com

Flame-resistance documentation

Every vinyl Southern Patio Enclosures installs is certified flame resistant to NFPA 701. The paperwork behind that statement follows for your fire marshal, architect or general contractor. Pages 2–4 are unaltered third-party copies; page 5 is our own.

WHAT IS IN THIS PACK

Page 2 — **Solid vinyl — Certificate of Flame Resistance**
F/R 18 oz. 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.

Page 5 — **Solid vinyl — 18 oz FR specification sheet**
Weight, construction, tensile, tear, adhesion, cold crack and the fire rating with the test method behind each figure. Available colors.

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	TRADE NAME of FLAME-RESISTANT FABRIC	ISSUED BY
F - 41501	F/R 18oz BIG TEX	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	Signed: Scott Kaczmarek
Name of Applicator of Flame Resistant Finish	Certification Specialist – Scott Kaczmarek / Seattle Textile Company

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

SGS 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

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: [x] Single Layer; [ ] Multi Layer

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

RESULTS:

Specimen #	Afterflame Length (seconds)	Flaming Drip/Debris (seconds)	Char Length (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/m²

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:

[x] Passes; [ ] Fails; [ ] Requires testing of 5 additional specimens

File Copy

SGS 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

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:

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/m² ÷ 28.35 x .835 = oz/yd²

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

---------- Phyllis Pettit
AUTHORIZED SIGNATURE
SGS GOVMARK
/gb
/pm

JUL 0 5 2019

The results contained in this report relate only to item(s) tested. The test report shall not be reproduced, except in full, without written approval from Govmark.

File Copy

SOUTHERN PATIO ENCLOSURES

Premium Commercial Vinyl Solutions

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/yd² (18.5 oz/yd²)	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.