Tested For:

Luke Russell

Phone:

011 44 0333 032 4733

Received:

6/1/2021

Camira Fabrics Ltd.

Fax:

Completed:

6/9/2021

The Watermill, Wheatley Park

Mobile: PO#:

83A11951

Code: **Test Report:**

3-43920-0

Emall:

luke.russell@camirafabrics.com

Mirfield, West Yorkshire, WF14 8HE, UK

Key Test:

ASTM E84/ACT

600

Client's Identification:

Style: Craggan Flax. Color: HCRA18 Trek. Product End Use: Contract Upholstery & Vertical Surfaces. Additional Information: Batch: 465961.

Test Category: Tunnel Test

Specifier: ACT

LE 2019; V 12/19

PC: ME

dI/SM BB/mg

TEST PERFORMED: ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials [LE 2018a: V 9/181 --

As cited by the Association of Contract Textiles (ACT) Voluntary Performance Guidelines (February 2021)

APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS North America): 0.066"

SPECIMEN WEIGHT (to include substrate when applicable):

Prior to Conditioning:

6.3 lbs.

Stabilized Weight (taken twice within 24 hours): 6.3 lbs.

PRODUCT CATEGORY:

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X	i extile	туре	Produc
		7 1	

□ Vinyl Type Product

□ Other than	Textile	Type o	r Vinyl T	ype F	Product:
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BRIEF DESCRIPTION OF TEST: This test method is used to determine the relative burning behavior of a material under defined test conditions. The test is performed in a 25 ft. long tunnel/duct-like apparatus and is often referred to as the "tunnel test". The test contemplates a calibration where Red Oak burns to the 24 ft. mark in 5.5 minutes ± 15 seconds. During the actual test, a 24 ft. long x 23" wide specimen rests horizontally in a ceiling configuration inside the test chamber facing downward and toward two upward oriented burners. A furnace lid that rests in a water trough seals the chamber tight. A cement board placed on the backside of each specimen assembly protects the furnace lid during the test. The near face of the specimen is subjected to a 4.5 ft. flame insult of approximately 88 kW for ten minutes. The time and distance of the spread of flame along the length of the specimen and the smoke developed as read by the photometric system are all recorded. The Flame Spread and Smoke Developed are reported as an Index.

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Tested For: Received: Luke Russell Phone: 011 44 0333 032 4733 6/1/2021 Camira Fabrics Ltd. Fax: Completed: 6/9/2021 The Watermill, Wheatley Park Code: Mobile: PO#: 83A11951 **Test Report:** 3-43920-0 luke.russell@camirafabrics.com Email: Mirfield, West Yorkshire, WF14 8HE, UK **Key Test: ASTM E84/ACT** 600

SPECIMEN MOUNTING:					
☐ Self-supporting: The test specimen was rigid enough to be self-supporting when placed into test position. No additional support was required.					
☐ Adhered to IRC: The test specimen was bonded to ¼" Inorganic Reinforced Cement (IRC) boards.					
\square Adhered to Gypsum: The test specimen was adhered to $^5/_8$ " thick Type X gypsum board.					
☑ Unadhered: The specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and ¼" rods.					
□ Other:					
SPECIMEN LENGTH: The 24 ft. length was comprised of: □ Continuous unbroken 24 ft. length					
 ✓ Sections: ✓ Three 8 ft. sections butted end to end ☐ Three 8 ft. sections positively joined ☐ Other: 					
ADHESIVE (applied by SGS North America): □ Yes (specify):					
OBSERVATIONS: No unusual observations Delamination Sagging Shrinkage Fallout (specimen displacement from ceiling mount) Other:					
REMARKS: None					

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Tested For:	Luke Russell Camira Fabrics Ltd. The Watermill, Wheatley Park Mirfield, West Yorkshire, WF14 8HE, UK	Phone: Fax: Mobile: PO#: Email:	011 44 0333 032 4733 83A11951 luke.russell@camirafabrics.com	Received: Completed: Code: Test Report:	6/1/2021 6/9/2021 D 3-43920-0	
Key Test:	ASTM E84/ACT				60)0
RESULTS:	Flame Spread Index: 40 Smoke Developed: 40 Flame Spread Index value has be Smoke Developed value has beer					
	Raw Data Less than 200 Nearest multiple of 5 Nearest multiple of 50					
ACCEPTAN	ICE CRITERIA (as cited by ACT):					
Class		ke Devel 150 or les	the Party of the Control of the Cont			
NOTE: Clas	s A is also known as Class 1 and may	be so sp	pecified in some Codes.			
CONCLUSI	ON: Based on the reported Results an	nd cited A	cceptance Criteria, the item test	ed:		
☐ Com	olies Does not comply					
DATA SUM	MARY:					
Time to Ignition (minutes:seconds): 00:22 Maximum Flame Spread "Distance" (feet): 8.0 Maximum Flame Spread "Time" (seconds): 62						
CODE CLASSIFICATION: Based on the reported Results and cited Code Classification System, the item tested is assigned a:						
 □ Class I or A rating ⋈ Class II or B rating □ Class III or C rating □ Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement. □ Based on product performance*, ASTM E84 is not a suitable test method for the material. 						
	elt, drip, delamination or other behavio nobtainable (See "Remarks" on Page 2		stroys the continuity of the flame	front such tha	at a valid flame	

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Key Test:

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Phone:

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83A11951

Test Report:

3-43920-0

Email:

Mirfield, West Yorkshire, WF14 8HE, UK

ASTM E84/ACT

600

CODE CLASSIFICATION SYSTEM:

	Flame Spread Index	Smoke Developed
Class I or A:	0 - 25	450 or less
Class II or B:	26 - 75	450 or less
Class III or C:	76 - 200	450 or less

LIMITATIONS OF THE ASTM E84 CLASSIFICATION SCHEME: Most building codes will accept the ASTM E84 classifications when the interior finish product is used in a sprinklered area. Certain local authorities such as NYC have more stringent requirements, i.e. Smoke Developed ranges from a maximum 25 to 100.

If the interior finish product is a textile or vinyl wall covering used in a non-sprinklered area, the NFPA 265 room corner fire test applies.

Certain products which give off excessive heat such as but not limited to cellular plastics, cellular foam (either with or without coverings as applicable), polypropylene, and high density polyethylene should be tested by NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. In SGS North America's opinion, the codes require NFPA 286 for such products, even in sprinklered areas.

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

AUTHORIZED SIGNATURE SGS NORTH AMPRICA

/jab /al

Enclosure: G/aphs

JUN 1 0 2021

Test Engineer: Jimmy Rosinsky

Bobby Brown

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Program: ASTM E84 (Version 2.10)

Test Method

Test Report #

Date

Client Operator

Details of Preparation

: ASTM E84

: 3-43920-0-D

: 6/9/2021

: Camira Fabrics Ltd.

: Jimmy Rosinsky

: The specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods. The 24 ft. length was comprised of three 8 ft. sections

buttend end to end.

Observations

: No unusual observations

Area Under Flame Curve (ft min)

Raw Flame Spread Index (ft min)

Rounded Flame Spread Index (ft min)

Ignition Time

Area Under Smoke Curve (%A min)

Raw Smoke-Developed Index

Rounded Smoke-Developed Index

Total Gas Flow(L)
Total Gas Flow(ft³)

Maximum Flame Front Achieved(ft)

: 73.82

: 38.02

: 40

: 00:22 mm:ss

: 42.03

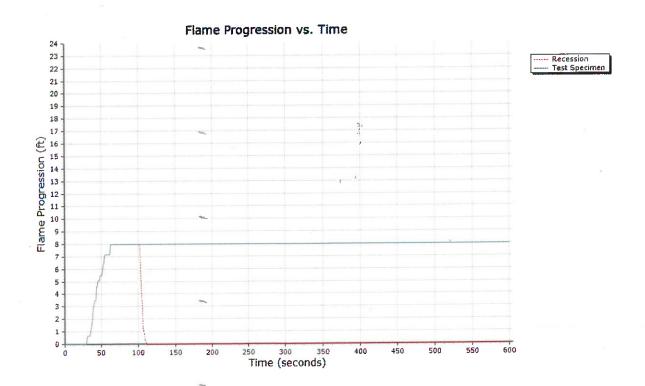
: 39.08

: 40

: 1430.8

: 50.5

:8 (@62s)





Program: ASTM E84 (Version 2.10)

Test Method Test Report # : ASTM E84 : 3-43920-0-D

