



Theatrical Black Back (Digital Print)

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Composition and Care

500 cm 3

Fire Certificates

EN13501-1 4

B1 9

NFPA 701 14

TECHNICAL



NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated



DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings



IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy



FR
Flame Retardant
chemically treated to an individual specification



NOT FR
Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES



Approx roll length of material in linear metres (m) & feet (ft)



Approx width of material in centimetres (cm) & inches (")



Approx weight in grams per metre squared (g/m²)



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests






CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	Flame Retardancy	FR
	Fire Certification	EN13501-1, B1, NFPA 701
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester Knitted
	Construction of Fabric	N/A
Chemicals	Surface Treatments	N/A
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	Information	Flame Retardant. This means that the fabric is chemically treated to meet the flammability requirements of EN13501-1 and B1.
	Laundering Treatment	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Dry Clean Only</div> <div style="text-align: center;"> Do Not Wash</div> <div style="text-align: center;"> Do Not Bleach</div> <div style="text-align: center;"> Do Not Iron</div> <div style="text-align: center;"> Do Not Tumble Dry</div> </div>
Notes		

					
Fire Rating: FR	Approx Roll Length: 30m / 98ft	Width: 500cm / 197"	Weight: 210 g/m ²	Fire Certification: EN13501-1, B1, NFPA 701	Colours Available

Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: EN13501-1

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Prüfinstitut Hoch

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Prüfinstitut für das Brandverhalten von Bauprodukten, Dipl.-Ing. (FH) Andreas Hoch
Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

KLASSIFIZIERUNGSBERICHT CLASSIFICATION REPORT

KB-Hoch-161102-2

Klassifizierung des Brandverhaltens nach DIN EN 13501-1¹⁾

Reaction to fire classification according to DIN EN 13501-1¹⁾



Beschreibung des Bauproduktes

description of the building material

Polyestergewirke (Farbe: weiß, einseitig schwarz beschichtet)

polyester fabric (colour: white, one side with black coating)

Bezeichnung

name

„Vision blackback stretch“

Klassifizierung

classification

B-s1,d0

Geltungsdauer

validity

30.09.2021

Dieser Bericht umfasst 5 Seiten. / *The report includes 5 pages.*

Hinweise / warnings:

Dieses Dokument dient nicht der Typzulassung oder Zertifizierung des Bauproduktes.

This document does not represent type approval or certification of the product.

Dieser Klassifizierungsbericht gilt nicht, wenn der geprüfte Baustoff als Bauprodukt im Sinne der Landesbauordnungen verwendet wird (MBO §17 Abs.3).

This classification report is not valid, if the tested material is used as a construction product according to German building regulations (MBO §17 Abs.3).

Dieser Klassifizierungsbericht ersetzt nicht einen ggf. notwendigen baurechtlichen/bauaufsichtlichen Nachweis nach Landesbauordnung.

This classification report is in no case a substitute for any required certification according to German building regulations.


Dieser Bericht ist zweisprachig. Im Zweifel gilt der deutsche Wortlaut.

This report has been issued bilingually. In case of doubt, the German wording is valid.

Der Klassifizierungsbericht darf ohne vorherige Zustimmung des Prüfinstitut Hoch nur innerhalb des Geltungszeitraumes und nur nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden.

The classification report may be invariably published or multiplied without previous agreement Prüfinstitut Hoch only within the validity period and only after form and contents are unchanged.


¹⁾ DIN EN 13501-1 (01-2010)


Mitglied der 
notified body no.: 1508

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren





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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: EN13501-1

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Seite 2 von 5 zum Klassifizierungsbericht
page 2 of 5 of the classification report
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1. Einleitung / introduction

Dieser Klassifizierungsbericht zum Brandverhalten definiert die Klassifizierung, die dem Bauprodukt in Übereinstimmung mit den Verfahren nach DIN EN 13501-1 zugeordnet wird.

This classification report defines the classification assigned to product in accordance with the procedures given in DIN EN 13501-1.

2. Beschreibung zum Bauprodukt / description of the construction product

Das Produkt wird in den in Punkt 3.1 aufgeführten Prüfberichten, die der Klassifizierung zugrunde liegen, vollständig beschrieben.

The product is fully described in the test reports in support of this classification listed in clause 3.1.


Das Produkt erfüllt nach Angaben des Auftraggebers keine europäische Produktspezifizierung und besitzt keine CE-Kennzeichnung.


The product fulfils according to the applicant no European product specifications and has no CE marking.




SPECIMEN


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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: EN13501-1



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3. Prüfberichte und Prüfergebnisse für die Klassifizierung

test reports and test results in support of this classification

3.1 Prüfberichte / test reports

Name des Labors <i>name of laboratory</i>	Auftraggeber <i>applicant</i>	Prüfverfahren <i>test method</i>	Prüfbericht Nr. <i>test report no.</i>
Prüfinstitut Hoch		DIN EN 13823 (SBI)	PB-Hoch-161101-2
		DIN EN ISO 11925-2 (Kleinbrenner / single flame source test)	PB-Hoch-161100-2

3.2. Prüfergebnisse / test results

Prüfverfahren <i>test method</i>	Parameter <i>parameter</i>	Anzahl der Prüfungen <i>number of tests</i>	Prüfergebnisse (Mittelwert) <i>test results (average value)</i>	Grenzwerte nach DIN EN 13501-1 <i>limit values according DIN EN 13501-1</i>
DIN EN 13823 (SBI)	FIGRA _{0,2 MJ}	3	0,00 W/s	≤ 120 W/s Klasse / class B
	LSF	(5)	erfüllt <i>fulfilled</i>	≤ Rand des Probekörpers ≤ edge of sample
	THR _{600s}		0,20 MJ	≤ 7,5 MJ Klasse / class B
	SMOGRA		0,00 m ² /s ²	≤ 30 m ² /s ² für / for s1
	TSP _{600s}		31,27 m ²	≤ 50 m ² für / for s1
	Brennendes Abtropfen/ Abfallen <i>flaming droplets</i>			d0

Prüfverfahren <i>test method</i>	Parameter <i>parameter</i>	Anzahl der Prüfungen <i>number of tests</i>	Prüfergebnis (Maximalwert) <i>test result (maximum value)</i>	Grenzwerte nach DIN EN 13501-1 <i>limit values according DIN EN 13501-1</i>
DIN EN ISO 11925-2 (Kleinbrenner / single flame source test)	F _s	12	120 mm	≤ 150 mm
	Brennendes Abtropfen <i>flaming droplets</i>	(24)	nein <i>no</i>	



Fire Test Certificate - Specimen

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4. Klassifizierung und direkter Anwendungsbereich

classification and direct field of application

4.1 Klassifizierung / classification

Die Klassifizierung erfolgte nach DIN EN 13501-1, Abschnitt 11.6.

This classification has been carried out in accordance with DIN EN 13501-1, clause 11.6.

Brandverhalten <i>fire behaviour</i>		Rauchentwicklung <i>smoke production</i>				Brennendes Abtropfen/Abfallen <i>flaming droplets</i>	
B	-	s	1	,	d	0	

Klassifizierung / classification: B – s1, d0

4.2 Anwendungsbereich / field of application

Die Klassifizierung in Abschnitt 4.1 ist nur für das auf Seite 1 genannte Bauprodukt und den in den zugrundeliegenden Berichten (vgl. Abschnitt 3.1) beschriebenen Produktparametern und Einbaubedingungen gültig.

The classification in clause 4.1 is valid solely for the product mentioned on page 1, with the product parameters and installation conditions given in the underlying reports (compare clause 3.1).

Produktparameter / product parameters

„Vision blackback stretch“	
Dicke / nominal thickness:	0,39 mm
Flächengewicht / nominal area weight:	283 g/m ²

Diese Klassifizierung ist für folgende Endanwendungsbedingungen / Anwendungsbereiche gültig:


- Für die freihängende Anwendung mit einem Abstand von ≥ 40 mm zu angrenzenden Baustoffen der Euroklasse A1 oder A2-s1,d0 mit einer Dicke von ≥ 11 mm und einer Rohdichte von ≥ 653 kg/m³.


This classification is valid for the following end use conditions / field of application:


- Application freely suspended with a distance of ≥ 40 mm to plain materials of Euroclass A1 or A2-s1,d0 with a thickness of ≥ 11 mm and a density of ≥ 653 kg/m³.*

(Erklärung: Anwendung nur wie geprüft) (Explanation: To be used only as tested)





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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: EN13501-1

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5. Einschränkungen / limitations

5.1 Geltungsdauer / validity

siehe Seite 1 / see page 1

5.2 Hinweise / warnings

In Verbindung mit anderen Baustoffen, mit anderen Abständen, Befestigungen, Fugenausbildungen/Verbindungen, Dicken- oder Dichtenbereichen, Beschichtungen als in Abschnitt 3.1 angegeben, kann das Brandverhalten so ungünstig beeinflusst werden, dass die Klassifizierung in Abschnitt 4.1 nicht mehr gilt. Das Brandverhalten von anderen als den oben angegebenen Parametern ist gesondert nachzuweisen.

Die Prüfergebnisse beziehen sich auf das Brandverhalten eines Bauprodukts unter den besonderen Bedingungen der Prüfung; sie stellen nicht das einzige Kriterium zur Bewertung des potentiellen Brandrisikos des Bauprodukts in der praktischen Anwendung dar.

Bei rechtlichen Angelegenheiten ist der deutsche Wortlaut relevant.

Used in connection with other materials, esp. other substrates/backings, air gaps/voids, types of fixation joints, thickness or density ranges, coatings than those given in clause 3.1, the fire performance is likely to be influenced negatively, so that the classification given in clause 4.1 would no longer be valid. The fire performance of other than the parameters given above has to be tested and classified separately.

The test results relate to the behaviour of the samples of a building material under the special test conditions; they are not the only criteria for evaluating the potential danger of fire of the building product in case of application.

Only the German original version is relevant for legal interests.

Dieses Dokument ist keine Typzulassung oder Zertifizierung des Produktes.

This document does not represent type approval or certification of the product.

Fladungen, 17.10.2016

Sachbearbeiter
clerk in charge



(Reinhard Speth (Techniker))




Leiter der Prüfstelle /
head of the Fire Test Laboratory



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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: B1



Test Report

No. AJFS1904003294FF

Date: MAY 08, 2019 Page 3 of 5

Results of "Brandschacht" Test (part 2)			
Line No.	Unit	Test assemblies No.	
		Lengthwise	Widthwise
	Burning parts	Yes	Yes
10	Begin 1)	0:43	0:36
11	Parts of sample falling off separately	✓	✓
12	Parts of sample falling off continuously	/	/
13	Duration of continued combustion on mesh base (max.)	0:56	0:49
	<u>Burner flame impairment by dripping/falling material</u>	No	No
14	Time ¹⁾	/	/
	<u>Premature ending of test</u>	/	/
15	End of burning at specimen ¹⁾	/	/
16	Time when test terminated (if applicable) ¹⁾	/	/
	<u>Burning after end of test</u>	No	No
17	Duration	/	/
18	Number of specimens	/	/
19	Front of specimen	/	/
20	Back of specimen	/	/
21	Height of flame	/	/
	<u>Glowing after end of test</u>	No	No
22	Duration	/	/
23	Number of specimens	/	/
24	Front of specimen	/	/
25	Back of specimen	/	/
26	Top half of specimen	/	/
27	Bottom half of specimen	/	/

To be continued...



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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: B1



Test Report

No. AJFS1904003294FF

Date: MAY 08, 2019 Page 4 of 5

Results of "Brandschacht" Test (part 3)					
Line No.	Unit	Test assemblies No.			
		Lengthwise		Widthwise	
	<u>Residual length</u>	/		/	
28	Single results	63	62	65	62
		63	64	64	64
29	Average of the single results	63		63.8	
	<u>Smoke temperature</u>	/		/	
30	Max. of average	147.6		150.3	
31	Time ¹⁾	7:42		8:35	

Note: ¹⁾ time from start of testing

*Reduction in number of test (DIN 4102 Part 16, clause 5.2)

Class B1 materials:

If the residual length measured after the first test is 45cm or greater, further tests are not required.

2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

Edge ignition

Fire application time: 15s

Parameter	Lengthwise					Crosswise				
	1	2	3	4	5	6	7	8	9	10
Whether or not flaming extinguished before reach the gauge mark(Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No	No	No	No	No	No
Time for the flame tip to reach the gauge mark(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Afterflame time (s)	0	0	0	0	0	0	0	0	0	0
Max. flame height (cm)	8	7	9	8	7	8	8	9	7	8
Molten dripping(Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				

Note:

NA---Not applicable

To be continued...



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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: NFPA 701

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Test Report

No. AJFS1807007187FF

Date: JUL 27, 2018

Page 1 of 3

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description: NIGHT STAR

Color: WHITE/BLACK

Style/Item No.: ST-216

Test Requested:

Determine the flame resistance in accordance with test method 1 of NFPA 701:2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

Test Results: -- See attached sheet --

Conclusion: The tested sample "As received" **Meets** the requirements of Test Method 1 of NFPA 701:2015.

Test Period:

Sample Receiving Date : JUL 24, 2018

Test Performing Date : JUL 24, 2018 TO JUL 26, 2018

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch




Allen Zou
Technical Manager





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Fire Test Certificate - Specimen

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Type: NFPA 701

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Test Report

No. AJFS1807007187FF

Date: JUL.27, 2018

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I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

II. Details of tested sample

Sample description / Color	Fabric / White + Black
Area density	About 277 g/m ²
Products configuration	Single Layer
Size of sample *	150mm x 400mm

* With the length parallel to the lengthwise direction of the material

III. Conditioning and cleaning procedure

Cleaning procedure: none

Prior to testing, the sample was:

[] Dried in oven at 105°C±3°C for 30 minutes.

[] Conditioned at 20°C±5°C for 24 hours.

IV. Test results

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burning time on floor (s)
1	17.32	15.75	9.06	0	0
2	17.37	16.00	7.89	0	0
3	17.41	15.49	11.03	0	0
4	17.38	15.57	10.31	0	0
5	17.44	16.12	7.57	0	0
6	17.49	15.81	9.61	0	0
7	17.38	15.68	9.78	0	0
8	17.42	16.02	8.04	0	0
9	17.45	15.77	9.63	0	0
10	17.39	15.88	8.68	0	0
Mean	17.40	15.81	9.16	0	0

SD=1.12 3SD=3.36 Mean + 3SD=12.52

SD - Standards deviation


To be continued....





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Fire Test Certificate - Specimen

Fabric: Theatrical Black Back (Digital Print)

Type: NFPA 701

J&C Joel 
Inspiration in every performance

SGS

Test Report

No. AJFS1607007167FF

Date: JUL.27, 2018

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Observations:

Vigorousness of burning	No
Material molten dripping	No
Odor smoke	Yes

Criteria for test method 1 (Chapter 10):

1. Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimen.
2. The average weight loss of the 10 specimens in a sample shall be 40 percent or less.
3. No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.
4. When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.
5. When a sample does not demonstrate passing performance in accordance with all of the conditions indicated above, the material shall be recorded as having failed Test Method 1.

Photo Appendix:



SGS authenticate the photo on original report only

*** End of Report ***



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Attention to check the authenticity of testing / inspection result & certificate, please contact us at telephone (86-755) 8387 1443, or email: CN_Service@sgs.com
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