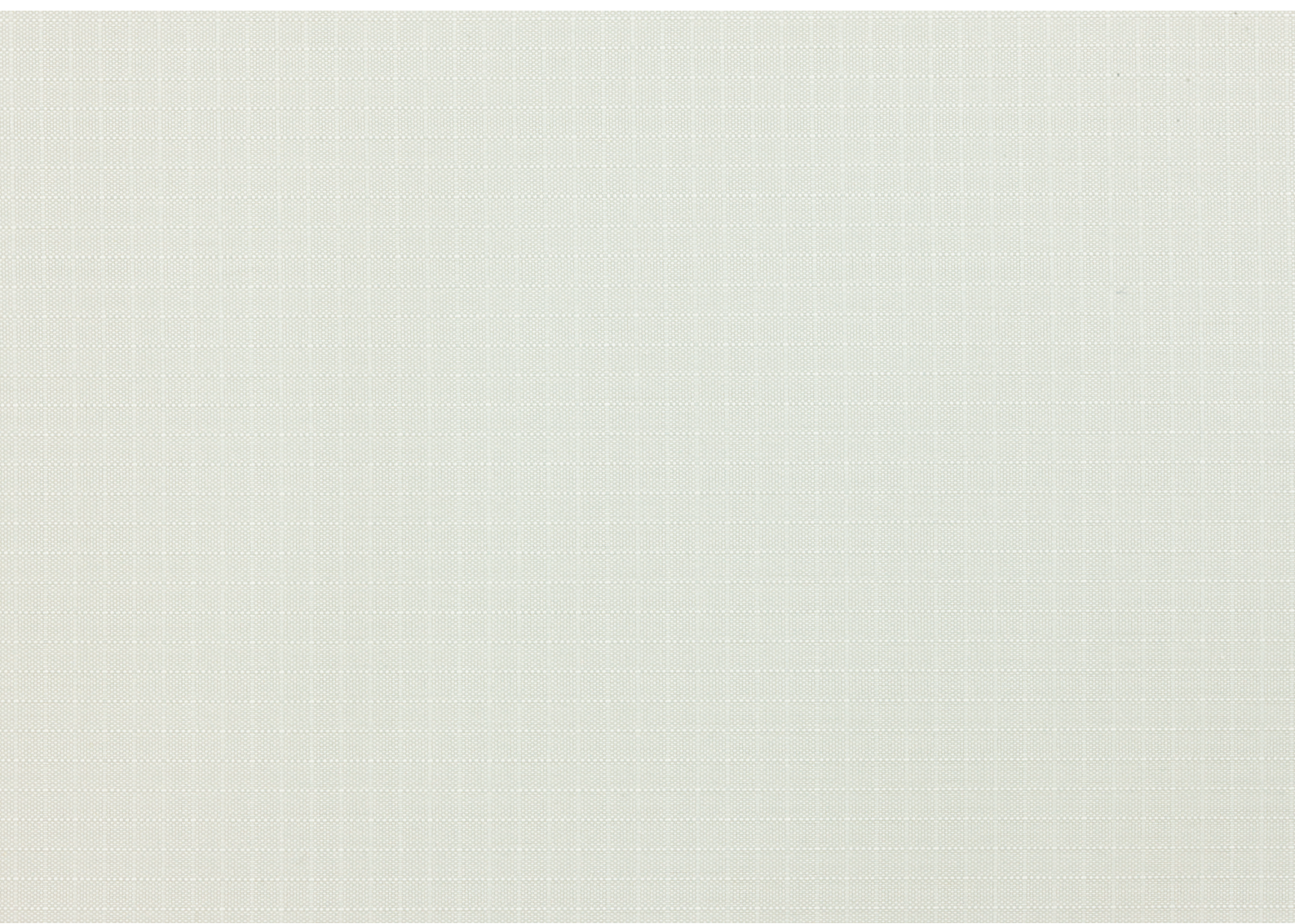


Ripstop 3.1

Perfect For: • Decorative/Scenic • Film & TV • Stage



J&C Joel 

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Contents

Composition & Care

310 cm 3

Fire Certificate

BS5867 Part 2 Type B 4

M1 6

EN13501-1 8

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

Datasheet - Fabrics & Flooring

Ripstop 3.1



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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	BS586, M1, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester
	Construction of Fabric	Plain Weave
Chemicals	Surface Treatments	Flameproofed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	Immersion
Care	Information	Flame Retardant. This means that this type of fabric chemically treated to meet the flammability requirements of BS5867 Part 2 Type B, M1 and EN13501-1.
	Laundering Treatment	     Dry Clean Only Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry
Notes		Tear Strength: Warp - 18,0 N, Weft - 21,0 N



Fire Rating:
FR



Approx Roll Length:
100m / 328ft



Width:
310cm / 122"



Weight:
65 g/m²



Fire Certification:
BS5867, M1,
EN13501-1



Colours
Available

For further information please contact our sales team sales@jcjoel.com

UK Europe Middle East Vietnam Macau Hong Kong

Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: BS5867 Part 2 Type B

J&C Joel 
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TEXTILE LABORATORY SERVICES LIMITED

P.O. Box 50, Wharfebank Business Centre, Ilkley Road, OTLEY, LS21 3JP, United Kingdom

Tel: +44 (0)1943 850967 Fax: +44 (0)1943 850965 Email: info@tls-ltd.demon.co.uk

Regd. Office: 3 Victoria Road, Guiseley, England - No.1966147



The test report shall not be reproduced except in full, without written approval of the laboratory

TEST CERTIFICATE

No. 36786/9

Testing to BS 5867 : Part 2 : 2008 : Type B Curtains, Drapes and Blinds

Client J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
HALIFAX
HX6 2QQ.

Fabric Reference Ripstop FR, stated to be coated nylon
Descriptions are information
supplied by the client

Dimensions (approx) 113cm by 154cm

Sample received 23/3/2015

1. TESTING AS RECEIVED

Test results relate only to the sample tested. Three specimens, as received, from both length and width were tested in accordance with BS EN ISO 15025:2002 Procedure A (surface ignition) using a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867 : Part 2 : 2008

The test results may not apply to situations where there is a restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration. The second specimen in each direction was tested in the inverse direction to the other two specimens. Testing was carried out on the face side of the fabric. The following results were noted.

Specimen	1	2	3	4	5	6
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming Debris separated	No	No	No	No	No	No

Requirements: Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result in 'as received' condition: **Pass**

PRE-TREATMENT

If the fabric is a PASS in the 'as received' condition then the fabric undergoes a water soak as per BS EN 1021 Annex D or BS 5651

Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: BS5867 Part 2 Type B

J&C Joel 
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2. TESTING AFTER PRE-TREATMENT

Test results relate only to the sample tested. Three specimens, after pre-treatment, from both length and width were tested in accordance with BS EN ISO 15025:2002 Procedure A (surface ignition) using a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867 : Part 2 : 2008

Specimen	7	8	9	10	11	12
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming Debris separated	No	No	No	No	No	No

Requirements: Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result after pre-treatment: **Pass**

CONCLUSION

The fabric meets the Type B performance requirements of BS 5867 : Part 2 : 2008

The material should be identified with the manufacturers name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867 : Part 2, Type B and instructions of any special precautions to be taken concerning care (including cleansing) of the curtain, drape or window blind to be manufactured from the fabric, preferably using an appropriate care labelling symbol in accordance with BS EN 23758 and taking account of the pre-treatment used in this test and the requirements of Clause 4 of BS 5867 : Part 2 : 2008. If the fabric is unsuitable for cleansing, this shall be stated.

J.M. Brown 
C Chem MRSC C Text FTI
Managing Director & Authorised Signatory

Checked by 

Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: M1

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INSTITUT TECHNOLOGIQUE

INSTITUT TECHNOLOGIQUE FCBA

Fire Laboratory

10, Avenue de Saint-Mandé - 75012 PARIS
Tél. 01.40.19.49.19



LABORATOIRE
ACCREDITÉ
SOUS LE
N° 1-0197

Laboratory approved by the Ministry for the Interior

JO of February 10, 2007

OFFICIAL REPORT OF CLASSIFICATION OF FIRE PERFORMANCE

Of a MATERIAL ENVISAGED IN ARTICLE 5

DECREE OF November 21, 2002

N° CM - 13 - P - 023

et 1 annexe de 4 pages.

Page 1

Valid 5 years as from lundi 15 avril 2013

Summary description

Kind woven fabric (Ink-Jet coating)
Composition Ripstop - 100% PES
Mass per unit area appr. 65 g/m²
Thickness appr. 0,13 mm
Color white
Nature of the test : Electrical burner test
Flame persistence flame
Dripping test

Classification : **M1**

Observations : /

Durability of the classification (Article 5 de l'annexe 2) Not limited

Usual term Inside (safe from bad weather)

Cleaning conditions No cleaning

Taking into account the criteria resulting from the tests annexed described in the test report N° 367130206

This official report attests only characteristics of the sample submitted for testing and does not prejudice similar characteristics of products. It thus does not constitute a certification of products within the meaning of the L.115-27 article of the code of the consumption and the law of June 3rd, 1994.

NOTE: The integral reproductions and by photocopy of this official report of classification are only authorized or the official report unit of classification and report of annexed test.

**"Valid for any application for which the product is not subjected to mark CE
"Not legally acceptable for any use under the pretence of the article AM 18 (Decree of March 6th, 2006)"**

Technicien d'essais du Laboratoire Feu

Paris, le vendredi 19 avril 2013

Adjointe au Responsable des Laboratoires
Essais et Mesures
du Pôle Ameublement

Only the french version remains valide

Nathalie SERRANT

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75012 Paris
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www.afocel.fr / www.ctba.fr
Siret 775 680 903 00017
APE 731Z
Code TVA CEE : FR 14 775 680 903

Institut technologisue FCBA : Forêt, Cellulose, Bois - construction, Ameublement

Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: M1

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INSTITUT TECHNOLOGIQUE

**INSTITUT TECHNOLOGIQUE
FCBA**

Laboratoire d'essais feu

10, Avenue de Saint-Mandé - 75012 PARIS



LABORATOIRE
ACCREDITÉ
SOUS LE
N° 1-0197

Laboratoire agréé par le Ministère de l'Intérieur et de l'Aménagement du Territoire
JO du 10 février 2007

**PROCES-VERBAL DE CLASSEMENT DE REACTION AU FEU
D'UN MATERIAU PREVU A L'ARTICLE 5
DE L'ARRETE DU 21 NOVEMBRE 2002**

N° CM - 13 - P - 023

et 1 annexe de 4 pages.

Valable 5 ans à compter du lundi 15 avril 2013

Page 1

Description sommaire:

Type woven fabric (Ink-Jet coating)

Composition Ripstop - 100% PES

Masse surfacique appr. 65 g/m²

Epaisseur appr. 0,13 mm

Coloris white

Nature de l'essai : Essai au brûleur électrique
Essai de persistance de flamme
Essai de gouttes

Classement : **M1**

Observations : /

Durabilité du classement (l'annexe 22) : Non limitée a priori

Usage : Intérieur (à l'abri des intempéries) **Conditions d'entretien :** Aucun nettoyage

Compte tenu des critères résultant des essais annexés décrits dans le rapport d'essai N° 367130206

Ce procès-verbal atteste uniquement des caractéristiques de l'échantillon soumis aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue donc pas une certification de produits au sens de l'article L.115-27 du code de la consommation et de la loi du 3 juin 1994.
NOTA : Seules sont autorisées les reproductions intégrales et par photocopies du présent procès-verbal de classement ou de l'ensemble du procès-verbal de classement et rapport(s) d'essais annexé(s).

"Valable pour toute application pour laquelle le produit n'est pas soumis au marquage CE"
"Non valable pour toute application couverte par l'article AM 18 (Arrêté du 6 mars 2006)"

Technicien d'essais du Laboratoire Feu Paris, le vendredi 19 avril 2013

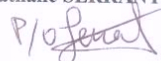


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**Adjointe au Responsable des Laboratoires
Essais et Mesures
du Pôle Ameublement
Nathalie SERRANT**
Adjointe au Responsable des Laboratoires

Nathalie SERRANT



Institut technologique FCBA : Forêt, Cellulose, Bois - construction, Ameublement

Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: EN13501-1

J&C Joel 
the inspiration behind the performance

Klassifizierung des Brandverhaltens nach DIN EN 13501-1 Reaction to fire classification according to DIN EN 13501-1

Aktenzeichen
Report No. FLT KE3452113

Ausstellungsdatum
Date of issue 2013-08-12

**Art des Prüfmateri-
als** Unbeschichtetes, flammhemmend ausgerüstetes
Gewebe aus Polyester
*Description of the
samples* *Uncoated fabric made of polyester, with a flame
retardant treatment*

**Bezeichnung des
Materials** "Ripstop"
Name of the material

Klassifizierung nach DIN EN 13501-1:2010
(in den beschriebenen Einbaubedingen)
*Classification acc. to DIN EN 13501-1:2010
(mounting and fixing as described)*

B – s1, d0

Anwendungsbereich
Field of application siehe / see 3.2

Geltungsdauer
Validity siehe / see 4.1

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 Klassifizierungsbericht ist zweisprachig. Im Zweifel gilt der deutsche Wortlaut.

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

Dieser Klassifizierungsbericht besteht aus Blatt 1 bis 5.
This classification report comprises 5 pages.

Anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

Dieser Klassifizierungsbericht darf nur in vollem Wortlaut und ohne Zusätze veröffentlicht werden. Für veränderte Wiedergabe und Auszüge ist vorher die widerrufliche, schriftliche Einwilligung der ausstellenden Prüfstelle einzuholen.
*) 89/106/EEC



Prüfstelle für das
Brandverhalten
von Baustoffen
Dipl.-Ing. Uwe Kühnast

Steinstrasse 18
D - 14822 Borkheide
Fon: +49 33845 90901
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PÜZ-Stelle (LBO): BRA09
Notified Body no.: 1507¹



Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: EN13501-1

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Klassifizierungsbericht
Classification report

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page 2 of 5

FLT KE3452113
FLT KE3452113

1. Angaben zum klassifizierten Bauprodukt

Details of the classified construction product

1.1 Art und Anwendungsbereich

Nature and end use application

Die Klassifizierung in diesem Bericht gilt für das Bauprodukt für folgende Anwendungs-
bereiche (gemäß Angaben des Auftraggebers):

Unbeschichtetes, flammhemmend ausgerüstet Gewebe aus Polyester, zur freihängenden
Verwendung.

Handelsname: "Ripstop"

*The classification given in this classification report is valid for the construction products's
following end use application (indicated through the sponsor):*

Uncoated, flame retarding treated fabric made of polyester, to be used freely suspended.

Trade name: "Ripstop"

1.2 Beschreibung des Bauproduktes

Description of the construction product

Das Produkt wird in den genannten Prüfberichten, die der Klassifizierung zugrunde liegen,
vollständig beschrieben.

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

Das Produkt erfüllt angabengemäß derzeit keine europäische Produktspezifizierung.

*According to the owner of this report, the product complies with no European product
specification so far.*

2. Prüfberichte und Prüfergebnisse für die Klassifizierung

Test reports and test results in support of this classification

2.1. Prüfberichte

Test reports

Durchgeführt von <i>Prepared by</i>	Auftraggeber <i>Sponsor</i>	Prüfverfahren <i>Test method</i>	Prüfbericht Nr. <i>Test report No.</i>
FIRELABS Steinstrasse 18 D-14822 Borkheide		DIN EN 11925-2:2010	FLT E2442813
		DIN EN 13823:2010	FLT E3442813



Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: EN13501-1

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Klassifizierungsbericht
Classification report

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FLT KE3452113
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2.2 Prüfergebnisse

Test results

Prüfverfahren / testing method	Parameter / parameter	Anzahl der Prüfungen / number of tests	Ergebnisse / results	
			stetige Parame- ter (m) / continous parameters (m)	diskrete Para- meter überein- stimmend / compliance with parameters
DIN EN ISO 1182	ΔT [K]	-	-	./.
	t_f [s]		-	./.
	Δm [%]		-	./.
DIN EN ISO 1716	PCS ^(a) [MJ/kg]	-	-	./.
	PCS ^(b) [MJ/m ²]	-	-	./.
	PCS ^(c) [MJ/kg]	-	-	./.
	PCS ^(d) [MJ/kg]	-	-	./.
DIN EN 13823	THR _{600 s} [MJ]	4	0,23	./.
	FIGRA _{0,2MJ} [W/s]		0,00	./.
	FIGRA _{0,4MJ} [W/s]		0,00	./.
	TSP _{600 s} [m ²]		14,9	./.
	SMOGRA [m ² /s ²]		0,00	./.
	LFS < Kante/edge		./.	ja / yes
	brennendes Abtropfen/Abfallen flaming droplets/particles		./.	nein / no
DIN EN ISO 11925-2				
Kantenbeflammung / edge flame attack		12		
Flächenbeflammung / surface flame attack		6		
15 s Beflammung / exposure	$F_s \leq 150$ mm	-	./.	-
30 s Beflammung / exposure	$F_s \leq 150$ mm	18	./.	ja / yes
brennendes Abtropfen/ Abfallen flaming droplets/ particles	Entzündung des Filterpapiers / ignition of filter paper	-	./.	nein / no

./. nicht anwendbar / not applicable

- (a): für homogene Bauprodukte und substantielle Bestandteile von nichthomogenen Bauprodukten /
for homogeneous products and for substantial components of non-homogeneous products
(b): für jeden äußeren nichtsubstantiellen Bestandteil von nichthomogenen Bauprodukten /
for each external non-substantial component of non-homogeneous products
(c): für das Produkt als Ganzes / for the product as a whole
(d): für jeden inneren nichtsubstantiellen Bestandteil von nichthomogenen Bauprodukten /
for each internal non-substantial component of non-homogeneous products



Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: EN13501-1

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Klassifizierungsbericht
Classification report

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3. Klassifizierung und direkter Anwendungsbereich

Classification and direct field of application

Die Klassifizierung erfolgte nach DIN EN 13501-1 in der derzeit gültigen Fassung.
This classification has been carried out acc. DIN EN 13501-1 in the currently valid version.

3.1 Klassifizierung

Classification

Das Produkt gemäß Absatz 2.2 wird nach seinem Brandverhalten klassifiziert:
The product according to chapter 2.2 in relation to its fire behaviour is classified:

B

Die zusätzliche Klassifizierung für die Rauchentwicklung ist:
The additional classification in relation to smoke production is:

s1

Die zusätzliche Klassifizierung für das brennende Abtropfen/Abfallen ist:
The additional classification in relation to flaming droplets/particles is:

d0

Das Format der Klassifizierung des Brandverhaltens für Bauprodukte, außer Bodenbelägen, geraden Leitungswärmedämmprodukten und elektrischen Kabeln ist:
The format of the reaction to fire classification for construction products, excluding floorings, linear pipe thermal insulations and electric cables is:

Brandverhalten <i>Fire behaviour</i>		Rauchentwicklung <i>Smoke production</i>		Brennendes Abtropfen/Abfallen <i>Flaming droplets/particles</i>
B	-	s	1	d 0

oder / or

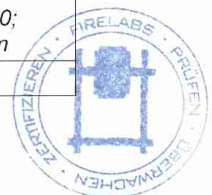
B - s1, d0

3.2 Anwendungsbereich

Field of application

Diese Klassifizierung ist nur für folgende Endanwendungsbedingungen gültig:
This classification is valid solely for the following end use conditions:

Bezeichnung des Materials / <i>name of material</i>	"Ripstop"
Gesamtflächengewicht / <i>weight per unit area, total</i>	67 ± 2 [g/m ²]
Dicke / <i>thickness</i>	0,13 ± 0,03 [mm]
Farbe / <i>colour</i>	weiß / <i>white</i>
Schichten / <i>layers</i>	1-lagig / <i>single layer</i>
Beschichtungen / <i>coatings</i>	keine / <i>none</i>
Untergrund / <i>substrate</i>	<u>Freihängende Verwendung</u> - angrenzende Baustoffe: mind. Klasse A1 oder A2-s1,d0; Dichte >870 kg/m ³ im Abstand ≥ 80 mm <u>Freely suspended</u> - adjacent products: at least classes A1 or A2-s1,d0; density >870 kg/m ³ , facing an open space ≥ 80 mm
Befestigung / <i>fixing</i>	mechanisch / <i>mechanically</i>



Fire Test Certificate – Specimen

Fabric: Ripstop 3.1
Type: EN13501-1

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Klassifizierungsbericht
Classification report

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FLT KE3452113

4. Einschränkungen *Limitations*

4.1 Geltungsdauer *Validity*

Die Festlegungen und Bewertungen von Prüfungen des Brandverhaltens unterliegen einer ständigen Weiterentwicklung. Dies kann Änderungen in damit verbundenen Rechtsvorschriften zur Folge haben. Aus diesen Gründen wird empfohlen die sachliche Richtigkeit von Prüfberichten und von Klassifizierungsberichten, die älter als 5 Jahre sind, durch den Nutzer überprüfen zu lassen. Die Prüfstelle, die diese Berichte ausgestellt hat, kann, nach Veranlassung des Inhabers, eine Überprüfung der zugehörigen Prüfverfahren oder der Klassifizierungsgrundlagen durchführen, um die Übereinstimmung mit den gegenwärtigen Vorschriften zu gewährleisten und – falls notwendig – einen Bericht neu auszufertigen.

The specification and interpretation of fire test methods are subject to ongoing development and refinement. Changes in associated legislation may also occur. For these reasons, it is recommended that the relevance of test and classification reports over five years old should be considered by the user. The laboratory that issued the report will be able to offer, on behalf of the legal owner, a review of the procedures adopted for a particular test or classification to ensure that they are consistent with current practices and - if required- may endorse the report.

4.2 Hinweise *Warnings*

In Verbindung mit anderen Baustoffen, mit anderen Abständen, Befestigungen, Fugenausbildungen/Verbindungen, Dicken- oder Dichtenbereichen, Beschichtungen, Farben als in Abschnitt 3.2 angegeben, kann das Brandverhalten so ungünstig beeinflusst werden, dass die Klassifizierung in Abschnitt 3.1 nicht mehr gilt. Das Brandverhalten von anderen als den oben angegebenen Parametern ist gesondert nachzuweisen.

Used in connection with other materials, esp. other substrates/backings, air gaps/voids, types of fixation joints, thickness or density ranges, coatings, colours than those given in chapter 3.2, the fire performance is likely to be influenced negatively, so that the classification given in clause 3.1 would no longer be valid. The fire performance of other than the parameters given above has to be tested and classified separately.

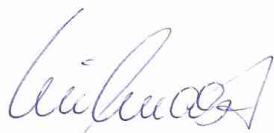
Dieser Klassifizierungsbericht wird unbeschadet der Rechte Dritter, insbesondere privater Schutzrechte, erstellt.

This test classification report had been issued without prejudice to legal rights of a third party or in respect of private proprietary rights.

Dieses Dokument ist keine Typzulassung oder Zertifizierung des Produktes.

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

Borkheide, 2013-08-12



Leiter der Prüfstelle
Head of the test laboratory
Dipl.-Ing. Uwe Kühnast



Sachbearbeiter / Prüfer
In charge for testing
Dipl.-Ing. Manfred Sailer

J&C Joel

the inspiration behind the performance



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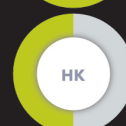
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