SCENE & ARTIST CANVAS 2.44

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Contents

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Composition and Care

244 cm 3

Fire Certificates

BS5867 Part 2 Type B 4
B1 7
EN13773 15
EN13501-1 21

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/m^2)

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

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Datasheet - Fabrics and Flooring

Scene & Artist Canvas 2.44

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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**	NDFR
	Fire Certification	BS5867, B1, EN13773, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Cotton
	Construction of Fabric	Half Panama Weave
Chemicals	**Surface Treatments**	Bleached & Dyed
	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**	Non-Durably Flame Retardant. This means the fabric is chemically treated and if wet (in any way) should be retreated to meet the flammability requirements of BS5867 Part 2 Type B, B, EN13501-1 and EN13773. Therefore, the cloth will not withstand wet cleaning and should be re-flame proofed whenever wet. The cloth can be professionally dry cleaned using the correct chemical process. Notwithstanding the aforementioned, it would be our advice to only dry clean this material periodically. We would suggest that the curtain be soft-brushed on a regular basis and periodically cleaned using a vacuum and drapery attachment. Commerical flame retardents may alter the aesthetics, appearance, colour or performance of the textile material. This fabric is not pre-shrunk.
	Laundering Treatment	 Dry Clean Only · Do Not Wash · Do Not Bleach · Do Not Iron · Do Not Tumble Dry
Notes		

All details are accurate at the time of print but are subject to change.

Fire Rating:	Approx Roll Length:	Width:	Weight:	Fire Certification:	Colour Available
NDFR	50m / 164ft	244cm / 96”	320 g/m^2	BS5867, B1, EN13773, EN13501-1	3

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Fire Test Certificate - Specimen

Fabric: Scene & Artist Canvas 2.44
Type: BS5867 Part 2 Type B

J&C Joel
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BTTG
TESTING • CERTIFICATION • AUDITING

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 August 2017

Our Ref: **53519-11**
Your Ref: -

Client:	J. & C. Joel Limited Corporation Mill Corporation Street Sowerby Bridge Halifax HX6 2QQ
Job Title:	Surface Ignition Of Curtains & Drapes (Type B)
Client's Order No:	-
Date of Receipt:	19 May 2017
Date of Test Start:	05 June 2017
Description of Sample(s):	One sample identified as follows was received for testing: Scene & Artist Canvas, stated to be NDFR
Work Requested:	We were asked to make the following test: BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

SPECIMEN

ilac-MRA UKAS TESTING 1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

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Fire Test Certificate - Specimen

Fabric: Scene & Artist Canvas 2.44
Type: BS5867 Part 2 Type B

J&C Joel
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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 August 2017

Our Ref: **53519-11**
Your Ref: -

J. & C. Joel Limited

Sample was identified as follows:

Scene & Artist Canvas, stated to be NDFR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

Pre-Treatment
No water treatment required as the sample was stated to be non durable flame retardant.

Conditioning
The test specimens were conditioned for at least 24 hours in the standard atmosphere of 60 ± 5 % relative humidity (R.H.) and 20 ± 2 °C.

Testing
Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition):2002. The sample was tested at 20°C and 60% relative humidity (R.H.).

Each specimen was subjected to an applied flame using propane and 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 (2015).

Test results relate only to the sample tested.

The results for all tests are given in the table(s) on the following page(s).

Reported by:.....
J Coleman
Fire Technician

Countersigned By:.....
P Doherty
Operational Head

Enquiries concerning this report should be addressed to Customer Services.

1066

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Fire Test Certificate - Specimen

Fabric: Scene & Artist Canvas 2.44
Type: BS5867 Part 2 Type B

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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 01 August 2017

Our Ref: **53519-11**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Scene & Artist Canvas, stated to be NDFR

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds
Testing as received.

	Length			Width		
Specimen No.	**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, it the second 6 specimens all pass the result is a pass.

Result: Pass

Conclusion
The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 – the fabric must be clearly labelled `If wetted in any way it is essential to re-treat the fabric to meet flammability requirements`.

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 (2011). If the fabric is unsuitable for cleansing, this shall be stated.

Uncertainty Budget
There is no uncertainty budget associated with BS 5867: Part 2: Type B as no measurements are determined, the pass/fail criteria is assessed visually.

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General site supervision certificate

Certificate number: **P-22-004157-PR04-ift**
(AbP-K88-01-de-01)

(Translation of the German original, not verified by ift Rosenheim)

Subject matter: **Flame retardant for textiles with the product name "RUCO-FLAM NGF"**

corresponding to
Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition
Building products that only have to comply with certain burning behaviour requirements and that are flame-retardant (building material class DIN 4102-B1).

SPECIMEN

Valid from 01.12.2022

Valid to: 01.12.2027

Contents:

A General provisions
B Special provisions
1 Subject matter of the general site supervision certificate and field of use/application
2 Provisions for the building product
3 Certificate of conformity
4 Provisions for design and dimensioning
5 Provisions for design execution, installation
6 Provisions for use, maintenance
7 Advice on legal remedies
8 Legal basis

This general site supervision certificate is 8 pages long.

Ve-Prü-1374-de 01.07.2016

A General provisions

The general site supervision certificate provides evidence of the usability of the building product in terms of the state building regulations.

The general site supervision certificate does not replace the approvals, consents and certificates prescribed by law for implementing building projects.

The general site supervision certificate is granted irrespective of the rights of third parties, especially private proprietary rights.

Manufacturers and distributors of the building product must provide copies of the general site supervision certificate to the user of the building product irrespective of further regulations under “Special provisions” and must point out that the general site supervision certificate has to be available at the point of use. The authorities involved shall be provided with copies of the general site supervision certificate upon request.

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The general site supervision certificate may only be reproduced in full. The publication of extracts requires the approval of ift Rosenheim. Texts and drawings of promotional literature must not contradict the general site supervision certificate. Translations of the general site supervision certificate must contain the remark “Translation of the German original, not verified by ift Rosenheim”.

The general site supervision certificate granted on a revocable basis. The provisions of the general site supervision certificate can be amended at a later date, especially if new technical findings require it.

Ve-Prü-1374-de 01.11.2011

B Special provisions

1 Subject matter of the general site supervision certificate and field of use/application

1.1 Subject matter

1.1.1 The general site supervision certificate applies to the manufacture and use of the flame retardant for textiles with the product name "RUCO-FLAM NGF", as a flame retardant building material (building material class DIN 4102-B1) according to the Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition.

1.2 Field of use/application

1.2.1 The product may be used as a fire-retarding agent for the finishing of cellulose fibre fabrics in all colours - including jute.

1.2.2 The building product must not be exposed to the weather outdoors.

1.2.3 The fabric finished with flame retardant may only be used in rooms with no moisture penetration. The finish is not resistant to exposure to water/weather nor to chemical cleaning.

1.2.4 The building product must keep a distance > 40 mm to adjacent building materials.

1.2.5 Additional requirements or further performance properties are not part of this general site supervision certificate.
This general site supervision certificate applies only insofar as requirements according to the Bavarian Technical Building Regulations (Bay TB), point C 3.4, June 2022 edition, need to be fulfilled.

1.2.6 The evidence of flame retardancy is not deemed to be provided if the building product is finished with coatings of any kind (e.g. paints, laminations, etc.).

1.2.7 The applicant has declared that the building product does not contain any products that are subject to Regulation (EC) 1907/2006 (REACH) and Regulation (EC) 1272/2008 (CLP) as well as Regulation (EC) 1005/2009 and the Chemical Ozone Layer Ordinance (D) and that it complies with obligations of the above-mentioned ordinances (particularly the labelling requirement). Moreover, the applicant declares that measures have been taken with regard to hygiene, health and environmental protection or have been made known in the required manner by the client if this is required for the purpose of trade, putting into circulation or for use.
This gave the inspection body no reason to check the effects of the building product on health and environmental protection.

SPECIMEN

2 Provisions for the building product

2.1 Properties and composition

2.1.1 The flame retardant is a clear liquid and must be manufactured on the basis of a phosphorous compound.

2.1.2 The flame retardant is to be manufactured so that the cellulose fabric and jute finished with it meet the requirements of flame retardant building materials (building material class DIN 4102-B1) according to DIN 4102-1:1998-05, Section 6.1.

2.1.3 The composition of the building product must match the specifications filed at ift Rosenheim.

2.1.4 The basic principles for granting the general site supervision certificate are filed at ift.

SPECIMEN

2.2 Manufacture, packaging, transport, storage

2.2.1 Stipulations as to packaging, transport and storage only have to be made if these are necessary to ensure the use/application of the subject matter.

2.2.2 The manufacture has to be carried out in such a manner that the building material complies with the information given under

2.3.1 Ü-symbol

The manufacturer has to label each building product with the conformity symbol (Ü-symbol) according to the conformity symbol regulations of the federal states. The Ü-Zeichen with the prescribed information has to be fixed on the building product, the instruction leaflet, on the packaging, on the delivery note or on any attachment to the delivery note.

- Product name
- Conformity symbol (Ü-symbol) with

  - Name of the manufacturer
  - Manufacturing plant
  - Certificate number of the general site supervision certificate
  - Graphical symbols or designations of the certification body (“building material class flame retardant (DIN 4102-B1))”

3 Certificate of conformity

3.1 General

According to the specifications in the Bavarian Technical Building Regulations (Bay TB), June 2022 issue, point C 3.4, the building product listed in this general site supervision certificate requires, for the confirmation of conformity, evidence provided by

- Certificate of conformity.

Conformity with the regulations of a general site supervision certificate must be confirmed for each manufacturing plant by means of a conformity certificate which is based on in-company production control and regular external supervision.

For granting the certificate of conformity and for carrying out external supervision including the necessary product testing, the manufacturer must involve a recognised certification body and a supervision authority recognised for this purpose.

3.2 In-company production control

An in-company production control shall be established and carried out at each individual manufacturing plant.

In-company production control means the continuous production supervision by the manufacturer, by which it ensures that the building products manufactured by it comply with the regulations of the general site supervision certificate.

For maintaining and implementing in-company production control, the "Certificate of conformity regulations for flame-retardant building materials" [1]as well as the relevant version of DIN 18200 are pertinent.

The results of the in-company production control shall be recorded and evaluated.

The records must include at least the following information:

- Name of the building product,
- Type of inspection,
- Date of manufacture and date of production control of the building product,
- Result of the inspection and, if applicable, comparison with the requirements.
- Signature of person responsible for in-company production control.

The records on the in-company production control must be retained for at least five years and presented to the external supervision authority involved.

1 The "Certificate of conformity regulations for flame-retardant building materials" (building material class DIN 4102-B1) in accordance with general site supervision approval are published in the "Notifications of the German Institute for Building Technology" dated 1 April 1997.

SPECIMEN

If the results are unsatisfactory, the manufacturer must immediately take the necessary steps to remedy defects and withdraw the products concerned.
The in-company production control must ensure that building products which do not comply with the requirements are not labelled with an Ü-symbol and that any mix-ups with products that meet the requirements are excluded.
Once the defect is remedied, the respective inspection has to be repeated immediately – if technically possible and necessary to prove the rectification of the defect.

3.3 External monitoring

At every manufacturing plant, the in-company production control has to be regularly verified, at least once a year, by an external supervision authority.

For carrying out the monitoring process, the “Certificate of conformity regulations” [1] in the relevant version and DIN 4102-1 are pertinent.

The external monitoring must include an initial inspection of the building product. In addition, samples can be taken for spot tests. The recognised supervision authority is responsible for the sampling and the tests.

The type, scope and frequency of activities that the supervision authority must carry out in connection with external monitoring as well as initial inspection and spot tests according to type and scope are stipulated in the "Certificate of conformity regulations” [1].
The recognised supervision authority is responsible for the sampling and the tests.

The results of the certification and external monitoring process must be retained for at least five years. They must be presented on request to the responsible supreme building supervisory board by the certification body or supervision authority.

4 Provisions for design and dimensioning

4.1 Design

4.1.1 No stipulations

4.2 Dimensioning

4.2.1 No stipulations

SPECIMEN

5 Provisions for design execution, installation

5.1.1 The flame retardant “RUCO-FLAM NGF” is to be applied on cellulose fabric – including jute – in all colours.

5.1.2 The dry coating of flame retardant must be, in case of:

- lightweight cellulose fabric (≤ 150 g/m^2 surface weight unfinished): approx. 200 g/kg
- heavy cellulose fabric (> 150 g/ m2 surface weight unfinished): approx. 200 g/kg
- jute (from 270 g/m^2 to 300 g/m^2 surface weight unfinished): approx. 200 g/kg.

5.1.3 The fabric finished with the flame retardant must not be attached at a distance < 40 mm from similar or other flat building materials.

5.1.4 The fabric finished with flame retardant may only be used in rooms with no moisture penetration. The finish is not resistant to exposure to water/weather nor to chemical cleaning.

SPECIMEN

6 Provisions for use, maintenance

6.1.1 No stipulations

7 Advice on legal remedies

Granting this general site supervision certificate is an administrative act, against which an objection can be filed. The objection has to be filed within one month upon receipt of this general site supervision certificate, either in writing or for record at ift Rosenheim, Theodor-Gietl-Strasse 7-9, 83026 Rosenheim. If this deadline is missed due to the fault of one of your authorised representatives, their blame would be attributed to the applicant.

8 Legal basis

This general site supervision certificate is granted on the basis of Art. 19 of the Bavarian Building Regulations (BayBO) in the version of 14 August 2007, last amended by Sections 1 and 2 of the law of 8 November 2022, in conjunction with Point C 3.4 of the Bavarian Technical Building Regulations (Bay TB), June 2022 edition.
Corresponding legal bases are contained in the state building regulations of the other federal states.

SPECIMEN

Fire Test Certificate - Specimen

Fabric: Scene & Artist Canvas 2.44
Type: EN13773

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Exova

Testing. Advising. Assuring.

Test report
No. 2011-2508-1
issued 12.01.2012

SPECIMEN

Auftragsdatum: 13.12.2011
Datum der Probenahme: no official taking out of the specimen from a representative of the Exova Warringtonfire, Frankfurt

Eingang der Proben: 13.12.2011
Datum der Prüfungen: 11.01.2012

Auftrag:

Determination of the ignition time according to nach EN 1101 (ISO 6940) and of the vertical flame spread according to DIN EN 13772 with classification to DIN EN 13773.

Description / designation of the test object

Textile sample designated as "article (Schleier-) Nessel- and Dekomolton "

Description of the relevant test procedure

EN 1101

DIN EN 13772

DIN EN 13773 (Mai 2003)

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1. Description of the test material

1.1 Details of the customer:

Textile sample designated as "article (Schleier-) Nessel and Dekomolton"

Construction: Cotton flame retardant treated

Application area: Stage area and deko area

1.2 At the specimen preparation from Exova Warringtonfire, Frankfurt determined values:

Flame retardant treated cotton fabric

Colour: black

Thickness: 0,5 mm (average)

Square weight: 204 g/m² (average)

Testing after clima storing 23°C and 50% rel. Luftfeuchte.

SPECIMEN

05.04.2012

2.1.1 Test sheet according to EN 1101 (ISO 6940)

(Determination of the ignition time)

Test room: 21°C / 40% r. L.F.

Ignition times: 1 - 20 s

Specimen no.		1	2	3	4	5	6	7	8
Test direction	L/Q	L	L	L	L	Q	Q	Q	Q
Kind of ignition	E/S	E	E	E	E	E	E	E	E
Ignition time	[s]	1	2	3	4	1	2	3	4
Total burn time	[s]	1	2	3	4	1	2	3	4
After flame time	[s]	0	0	0	0	0	0	0	0
After glow time	[s]	0	0	0	0	0	0	0	0
After flaming ≥ 5 [s]	yes/no	no	no	no	no	no	no	no	no
Reaching of the upper edge of the specimen	yes/no	no	no	no	no	no	no	no	no
Reaching the side edges	yes/no	no	no	no	no	no	no	no	no
Drop of from sample parts*		-	-	-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-	-	-
Igntion	yes/no	no	no	no	no	no	no	no	no

If not the case, - L = length Q = width S = surface E =edge

Remarks: none

SPECIMEN

05.04.2012

2.1.2 Test sheet according to EN 1101 (ISO 6940)

(Determination of the ignition time)

Test room: 21°C / 40% r. L.F.

Ignition times: 1 - 20 s

Specimen no.		9	10	11	12	13	14	15	16
Test direction	L/Q	L	L	L	L	Q	Q	Q	O
Kind of ignition	E/S	E	E	E	E	E	E	E	E
Ignition time	[s]	5	10	15	20	5	10	15	20
Total burn time	[s]	5	10	15	20	5	10	15	20
After flame time	[s]	0	0	0	0	0	0	0	0
After glow time	[s]	0	0	0	0	0	0	0	0
After flaming ≥ 5 [s]	yes/no	no	no	no	no	no	no	no	no
Reaching of the upper edge of the specimen	yes/no	no	no	no	no	no	no	no	no
Reaching the side edges	yes/no	no	no	no	no	no	no	no	no
Drop of from sample parts*		-	-	-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-	-	-
Igntion	yes/no	no	no	no	no	no	no	no	no

If not the case, - L = length Q = width S = surface E =edge

Remarks: none

SPECIMEN

05.04.2012

2.2.1 Test results according to DIN EN 13772:
(Determination of the vertical flame spread)

Impact time of the radiator: 30s Ignition time: 10 s

Specimen no.		1	2	3	4	5	6
Test direction	L/Q	L	L	L	Q	Q	Q
Kind of ignition	S/E	E	E	E	E	E	E
Ignition time	[s]	10	10	10	10	10	10
Total burn time	[s]	18	20	17	18	15	15
After flame time	[s]	8	10	7	8	5	5
After glow time	[s]	0	0	0	0	0	0
Reaching the 1. mark in	[s]	-	-	-	-	-	-
Reaching the 2. mark in	[s]	-	-	-	-	-	-
Reaching the 3. mark in	[s]	-	-	-	-	-	-
Flame spread v1	[mm/min]	0	0	0	0	0	0
Flame spread v2	[mm/min]	0	0	0	0	0	0
Flame spread t v3	[mm/min]	0	0	0	0	0	0
Separating of sample parts*		-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-
Destroyed area length	[mm]	170	160	180	170	180	170
Destroyed area width	[mm]	30	30	40	40	30	40

If not the case, - L = length Q = width S = surface E =edge

SPECIMEN

Remarks: none

05.04.2012

Exova

Testing. Advising. Assuring.

3. Classification:

The in chapter 1 described material fulfilles the requirements of the class 1 according to DIN EN 13773.

Besonderer Hinweis

The fire test result is only valid for the in chapter 1 described material.

In the composition with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the above classification is not any longer valid.
The burning behaviour in composition with other materials has to be tested separately.

This test report replaces the translation of the test report 2011-2508 from January 12th 2012 (date of signature) which is invalid from now on

Frankfurt, 04th April 2012

P. Scheinkönig
Tester in Charge

Dipl.-Ing. T. Zachäus
Laboratory Supervisor

SPECIMEN

The results of the tests relate only to the behaviour of the test specimen which is designated in chapter one.
Test reports are only allowed to be published or reproduced, not changed in form and tenor without permission of the Exova Warringtonfire, Frankfurt.
The abridged account of a test report is only allowed with the agreement of the Exova Warringtonfire, Frankfurt.
This test report is a translation of the German version 2011-2508-1 (issued 04.04.2012). In case of doubt only the German version is valid.
The report contains 6 pages.

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Fire Test Certificate - Specimen

Fabric: Scene & Artist Canvas 2.44
Type: EN13501-1

J&C Joel
Inspiration in every performance

Hoch
Fladungen

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Tel.: 09778–7480-200
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Prüfinstitut für das Brandverhalten von Bauprodukten, Dipl.-Ing. (FH) Andreas Hoch
Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

KB-Hoch-241380-2

KLASSIFIZIERUNGSBERICHT

Klassifizierung des Brandverhaltens nach EN 13501-1 [1)]

CLASSIFICATION REPORT

Reaction to fire classification according to EN 13501-1 [1)]

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Gegenstand *Subject*	**"Art. 14/50 Schleiernessel / *Gauze/Muslin*"** **"Art. 60/20 Baumwoll-Cretonne / *Cotton Sheeting light*"** **"Art. 15/14 Dekomolton / *Decomolton*"** **"Art. 24/28 Baumwollnessel / *Cotton Canvas*"** **"Art. 11/06 Eventmolton / *Eventmolton*"** **"Art. 22/20 Satinmolton / *Satinmolton*"** **"Art. 13/07 Bühnenmolton / *Stagemolton*"** **"Art. 28/08 Kalmuck / *Calmuc/Soundabsorber*"**
Beschreibung *Description*	Gewebe aus 100% Baumwolle in verschiedenen Varianten und Farben *100% cotton fabric in different variations and colors*
Klassifizierung *Classification*	**B – s1,d0**
Berichtsdatum *Issue date*	09.12.2024
Geltungsdauer *Validity*	30.11.2029 [2)] (siehe Abschnitt 5.1 / *confer to section 5.1*)

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[1)] EN 13501-1:2018
[2)] Verlängerung auf Antrag / *Prolongation on request*

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egolf
Rev14
Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren

DAkkS Deutsche Akkreditierungsstelle D-PL-11005-01-00

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1. **Einführung** / *Introduction*

Dieser Klassifizierungsbericht zum Brandverhalten definiert die Klassifizierung, die dem Bauprodukt in Übereinstimmung mit den Verfahren nach EN 13501-1:2018 zugeordnet wird.
This classification report defines the classification assigned to the construction product in accordance with the procedures given in EN 13501-1:2018.

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. Dabei wurde das Produkt mit den folgenden Produktparametern getestet.
The product is fully described in the test reports in support of this classification listed in section 3.1. The product was tested adhering to the following product parameters.

"Art. 14/50 Schleiernessel / *Gauze/Muslin*" "Art. 60/20 Baumwoll-Cretonne / *Cotton Sheeting light*" "Art. 15/14 Dekomolton / *Decomolton*" "Art. 24/28 Baumwollnessel / *Cotton Canvas*" "Art. 11/06 Eventmolton / *Eventmolton*" "Art. 22/20 Satinmolton / *Satinmolton*" "Art. 13/07 Bühnenmolton / *Stagemolton*" "Art. 28/08 Kalmuck / *Calmuc/Soundabsorber*"			
Geprüfte Gesamtdicke *Tested total thickness*	≈ 0,26 mm	bis *up to*	≈ 1,77 mm
Nominelles Flächengewicht des geprüften Materials *Nominal weight per unit area of the tested material*	≈ 75 g/m²	bis *up to*	≈ 500 g/m²
Materialzusammensetzung *Material composition*	100 % Baumwolle *100% cotton*		
Geprüfte Farben *Tested colours*	Wie in den zugrundeliegenden Berichten angegeben *With the density given in the underlying reports*		

Das Produkt erfüllt nach Angaben des Auftraggebers keine harmonisierte europäische technische Spezifikation (z.B. Produktnorm oder EAD).
According to the applicant, the product is not compliant with any harmonised European technical specification (e.g. product standard or EAD).

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3. Prüfberichte und Prüfergebnisse als Grundlage dieser Klassifizierung
Test reports and test results as a basis for this classification

3.1. Prüfberichte / *Test reports*

Name des Labors *Name of laboratory*	Auftraggeber *Sponsor*	Prüfverfahren *Test method*	Prüfbericht, Datum *Test report, date*
Prüfinstitut Hoch		EN ISO 11925-2 (Einzelflammentest / *single flame source test)*	PB-Hoch-241378-2 09.12.2024
		EN 13823 (SBI)	PB-Hoch-241379-2 09.12.2024

3.2. Ergebnisse / *Results*

Prüfverfahren *Test method*	Parameter *Parameter*	Anzahl der Prüfungen *Number of tests*	Ergebnisse *Results*	Anforderung für B – s1,d0 *Requirements*
EN ISO 11925-2	F_s	12 (insg. / *total* 57)	max. 60 mm	–
	$F_s \leq 150$ mm Flammenausbreitung höchstens 150 mm *flame spread no more than 150 mm*		ja *yes*	erfüllt *compliant*
	Brennendes Abtropfen *flaming droplets*		nein *no*	erfüllt *compliant*

F_s Maximale vertikale Flammenausbreitung [mm].
Maximum vertical flame spread [mm].

Tabelle / *Table* 1: Prüfergebnis der Kleinbrennerprüfung / *Result of single-flame source test*

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Prüfverfahren *Test method*	Parameter *Parameter*	Anzahl der Prüfungen *Number of tests*	Ergebnisse (Mittelwert) *Results (average value)*	Anforderung *Requirement*
EN 13823	$FIGRA_{0,2MJ}$	3 (insg. / *total* 19)	92 W/s	A2 / B: ≤ 120 W/s
	$FIGRA_{0,4MJ}$		92 W/s	C: ≤ 250 W/s D: ≤ 750 W/s
	THR_{600s}		2,3 MJ	A2 / B: ≤ 7,5 MJ C: ≤ 15 MJ
	SMOGRA		29 m^2/s^2	s1: ≤ 30 m^2/s^2 s2: ≤ 180 m^2/s^2
	TSP_{600s}		16 m^2	s1: ≤ 50 m^2 s2: ≤ 200 m^2
	FDP		d0	d0: Kein Brennen / *no flaming* d1: ≤ 10 s Brenndauer / *flaming* d2: > 10 s Brenndauer / *flaming*
	LSF		erfüllt *compliant*	Rand der Probe nicht erreicht *Sample edge not reached*

Erläuterungen / *remarks:*

$FIGRA_{0,2MJ}$	Feuerwachstumswert [W/s] nach Erreichen des THR-Schwellenwertes 0,2 MJ *Fire Growth Rate [W/s] after reaching a THR threshold of 0,2 MJ*
$FIGRA_{0,4MJ}$	Feuerwachstumswert [W/s] nach Erreichen des THR-Schwellenwertes 0,4 MJ *Fire Growth Rate [W/s] after reaching a THR threshold of 0,4 MJ*
THR_{600s}	Gesamte freigesetzte Wärme während der ersten 600 Sekunden Beflammung [MJ] *Total heat release during the first 600 seconds of flame impingement [MJ]*
SMOGRA	Rauchentwicklungsrate [m^2/s^2] *Smoke Growth Rate [m^2/s^2]*
TSP_{600s}	gesamte freigesetzte Rauchmenge während der ersten 600 Sekunden Beflammung [m^2] *Total smoke production during the first 600 seconds of flame impingement [m^2]*
LSF	seitliche Flammenausbreitung bis zur Außenkante des langen Probenflügels *lateral spread of flame, reaching the far edge of the large sample wing*
FDP	brennendes Abtropfen während der ersten 600 Sekunden Beflammung [s] *flaming droplets / particles during the first 600 seconds of flame impingement [s]*

Tabelle / *Table* 2: Prüfergebnisse der SBI-Prüfungen / *SBI test results*

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4. Klassifizierung und Anwendungsgebiet / *Classification and field of application*

4.1. Klassifizierung / *Classification*

Die Klassifizierung ist nach EN 13501-1:2018, Abschnitt 11 (Bauprodukte mit Ausnahme von Bodenbelägen) erfolgt.
This classification has been carried out acc. to EN 13501-1:2018, section 11 (construction products, excluding floorings).

Brandverhalten *reaction to fire*		Rauchentwicklung *smoke production*			Brennendes Abtropfen/Abfallen *flaming droplets*	
B	–	s	1	,	d	0

Klassifizierung / *Classification*: **B – s1,d0**

4.2. Anwendungsgebiet / *Field of application*

Die Klassifizierung in Abschnitt 4.1 ist nur für das auf Seite 1 genannte und im Abschnitt 2 sowie den in Abschnitt 3.1 genannten Prüfberichten näher beschriebene Bauprodukt gültig.

Die Klassifizierung ist außerdem für die folgenden Produktparameter gültig:
- Farbe beliebig
- Dekomolton leicht 130 g/m²

Diese Klassifizierung gilt für folgende Endanwendungsbedingungen:
- Freihängend.
- Evtl. angrenzende flächige Baustoffe müssen mindestens der Klasse A1 oder A2-s1,d0 nach EN 13501-1 entsprechen und eine Dicke von mindestens 9 mm und eine Rohdichte von mindestens 653 kg/m³ aufweisen. Der Abstand des Produkts zu diesen Baustoffen, muss mindestens 40 mm betragen. Ausgenommen davon sind Untergründe aus Gipsplatten, die nicht in diesem Endanwendungsbereich mitinbegriffen sind.

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The classification in section 4.1 is valid solely for the product referred to on page 1 and described in detail in section 2 as well as in the test reports listed in section 3.1.

The classification is additionally valid for the following product parameters:
- *Arbitrary colour*
- *Decomolton light 130 g/m²*

This classification is valid for the following end use conditions:
- *Freely suspended.*
- *If fixed in front of underlying materials, these have to be at least of class A1 or A2-s1,d0 (EN 13501-1) and must have a thickness of at least 9 mm and a gross density of no less than 653 kg/m³. The distance of the product to these underlying materials must be at least 40 mm. Gypsum plasterboards are exempt as underlying materials and are not included in this end use condition.*

5. Einschränkungen / *Limitations*

5.1. Geltungsdauer / *Duration of validity*

Die Klassifizierung gilt bis zum auf Seite 1 angegebenem Datum. Sie kann nach einer Überprüfung des Brandverhaltens verlängert werden. Der Klassifizierungsbericht verliert außerdem seine Gültigkeit, wenn sich die Klassifizierungskriterien gemäß DIN EN 13501-1 ändern oder ergänzt werden, oder wenn die Produktzusammensetzung oder der Produktaufbau geändert werden.
Wenn keine kontinuierliche Überprüfung des Brandverhaltens durch den Hersteller stattfindet, verliert dieser Klassifizierungsbericht bei jeder Änderung des Produktionsprozesses, des Produktionsumfeldes, der Ausgangsstoffe oder der Zulieferer der Komponenten seine Gültigkeit. Das Brandverhalten muss dann erneut nachgewiesen werden.
This classification remains valid no later than until the date stated on page 1. It can be renewed after re-evaluation of the reaction to fire. This classification also loses its validity as soon as the classification criteria according to DIN EN 13501-1 are altered or amended, or as soon as the product formulation or its composition are altered.
If the fire behaviour of the product is not continuously monitored by the manufacturer, each change in either of production process, production environment, raw materials, or chain of suppliers causes this classification to become invalid. In this case, the fire behaviour has to be reassessed.

5.2. Hinweise / *Remarks*

In Verbindung mit anderen Baustoffen, mit anderen Abständen, Befestigungen, Fugenausbildungen/Verbindungen, Dicken- oder Rohdichtenbereichen, Beschichtungen als in den Abschnitten 2 und 4.2 angegeben, kann das Brandverhalten negativ beeinflusst werden, so dass die Klassifizierung in Abschnitt 4.1 nicht mehr gilt. Das Brandverhalten von anderen als den oben angegebenen Parametern ist gesondert nachzuweisen.
Used in combination with other materials, esp. other substrates/backings, air gaps/voids, types of fixation joints, thickness or density ranges, coatings than those given in sections 2 and 4.2, the fire performance is likely to be influenced negatively, so that the classification assigned in section 4.1 will no longer be valid. The fire performance with parameters other than those given above has to be tested and classified separately.

Dieser Klassifizierungsbericht ersetzt nicht einen gegebenenfalls notwendigen baurechtlichen / bauaufsichtlichen Nachweis nach Landesbauordnung
This classification report is in no case a substitute for any required certification according to German building regulations.

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Der Klassifizierungsbericht darf ohne vorherige Zustimmung des Prüfinstitut Hoch nur innerhalb des Geltungszeitraumes (siehe Abschnitt 5.1) und nur vollständig und nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden.
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This document does not represent type approval or certification of the product.

Fladungen, 09.12.2024

Sachbearbeiterin
Clerk in charge

(B. Eng. Susanne Hart)

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