

Acoustic Transparent

Perfect for: Stage • Masking • Acoustic • Decorative/Scenic • Film & TV



Inspiration in every performance

www.jcjoel.com

Composition & Care

260 cm 3

Fire Certificate

BS5867 Part 2 Type B 4

M1 7

B1 8

EN13773 17

EN13501-1 23

Acoustic Test Report

Flat 28

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 (m)



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



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

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, M1, B1, EN13773, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Cotton
	Construction of Fabric	Plain Weave
Chemicals	Surface Treatments	Dyed - Flameproofed
	Brand Name of Flame Retardant Chemicals	KAPP-Chemie GMBH & Co K.G
	Chemical name of Flame Retardant Chemicals	Kappaflam
	Process of Flame Retardant Chemicals	Immersion
Care	Information	Non-Durably Flame Retardant. This means that 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, M1, B1, EN13773 and EN13501-1. 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. Commercial flame retardants 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		

					
Fire Rating: NDFR	Approx Bale Length: 60m / 197ft	Width: 260cm / 102"	Weight: 140 g/m ²	Fire Certification: BS5867, M1, B1, EN13773, EN13501-1	Colour Available

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



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: BS5867 Part 2 Type B

J&C Joel 
Inspiration in every performance



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: 53519-33

Your Ref: -

Page: 1 of 3

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: 08 June 2017

Description of Sample(s): One sample identified as follows was received for testing:
Acoustic Transparent, 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



1006

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 816764809.
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.

Copyright © 2017 Shirley Technologies Limited. All rights reserved.



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent
Type: BS5867 Part 2 Type B

J&C Joel 
Inspiration in every performance



TESTING • CERTIFICATION • AUDITING

J. & C. Joel Limited

Sample was identified as follows:

Acoustic Transparent, stated to be NDFR

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: 53519-33

Your Ref: -

Page: 2 of 3

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 $60 \pm 5\%$ relative humidity (R.H.) and $20 \pm 2^\circ\text{C}$.

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

Shirley* Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04669551. 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.

Copyright © 2017 Shirley Technologies Limited. All rights reserved.



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: BS5867 Part 2 Type B

J&C Joel 
Inspiration in every performance



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: 53519-33

Your Ref: -

Page: 3 of 3

J. & C. Joel Limited

RESULTS

Sample Ref: Acoustic Transparent, stated to be NDFR

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

Testing as received.

Specimen No.	Length			Width		
	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: 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.



1066

Shirley® Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04699551. VAT Number GB 815764800.
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.

Copyright © 2017 Shirley Technologies Limited. All rights reserved.



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: M1

J&C Joel 
Inspiration in every performance

CSTB
le futur en construction

Direction Sécurité, Structures et Feu
Division Etudes et Essais Feu

PROCES-VERBAL DE CLASSEMENT DE REACTION AU FEU D'UN MATERIAU

Selon l'arrêté du 21 novembre 2002 modifié relatif à la réaction au feu
des produits de construction et d'aménagement
Laboratoire pilote agréé du Ministère de l'Intérieur (arrêté du 05/02/03 modifié)

N° RA22-0030

Valable 5 ans à compter du 08 octobre 2021

Matériau présenté par :

Marques commerciales :

16/14
14/17
11/14
DEKOMOLTON

Description sommaire :

Tissus 100 % coton ignifugés par foulardage, grattés sur une ou deux faces.

Masses surfaciques nominales : 140 à 190 g/m².

Epaisseur nominale : 0,5 mm.

Coloris : divers.

Nature de l'essai :

Essai au brûleur électrique
Vieillessement en chambre climatique

Classement :

M1

Durabilité du classement (Annexe 2 – Paragraphe 5) : Non limitée (article non lavable, non nettoyable à sec et pour usage intérieur uniquement).

Compte tenu des critères résultant des essais décrits dans le rapport d'essais N° DSSF-21-05765 annexé.

Ce procès-verbal atteste uniquement des caractéristiques de réaction au feu soumises aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue donc pas une certification de produits au sens du code de la consommation. Seul le rapport électronique signé avec un certificat numérique valide fait foi en cas de litige. Ce rapport électronique est conservé au CSTB pendant une durée minimale de 10 ans. La reproduction de ce rapport électronique n'est autorisée que sous sa forme intégrale.

Fait à Champs-sur-Marne, le 03 mars 2022

La Responsable du Pôle Commercial
Communication et Développement Feu



Signature numérique
de Clémence VOISIN
Date : 2022.03.03
15:15:32 +01'00'

Clémence VOISIN

Sont seules autorisées les reproductions intégrales du présent procès-verbal de classement ou de l'ensemble procès-verbal et rapport d'essais annexé.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT

Siège social : 84 avenue Jean Jaurès - Champs-sur-Marne - 77447 Marne-la-Vallée cedex 2

Tél. : +33 (0)1 64 66 64 12 - info@csstb.fr - www.csstb.fr

MARNE-LA-VALLÉE / PARIS / GRENOBLE / NANTES / SOPHIA ANTIPOLIS

Forme procès-verbal revêt



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance

Prüfinstitut Hoch

Lenchenweg 1
D-97650 Fladungen
Tel./Int. - 49 - 9776-7480-200
hoch.fladungen@t-online.de

www.reaction-to-fire.de



Test laboratory for the fire behavior of building materials. Dipl.-Ing. (FH) Andreas Hoch
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT PZ-Hoch-221141

for the proof of fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company

description of samples

name of the material

sampling

by the company itself

content of request

Proof of flammability to classify building materials to class B1
("schwerentflammbar") according to DIN 4102, part 1

validity of test report

30.11.2027

result

The examined product meets the requirements of class B1 for
hardly flammable ("schwerentflammbare") building materials
according to DIN 4102, pt. 1 (May 1998), suspended freely or
with distance of >40 mm to same or other plain materials.

This test report includes 4 pages and 5 enclosures.

Remark: If the building material mentioned above is not used as a product according to MBO § 2, Abs. 9, Ziffer 1, there is no need for a general building supervisory test report.

This test report is not valid if the examined building material is used as product as defined by State Building Prescriptions (MBO § 17, Abs. 3).

This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws as defined by State Building Prescriptions. This has to be certified instead by:

- "allgemeine bauaufsichtliche Zulassung" (General Building Inspectorate Approval) or by
- "allgemeines bauaufsichtliches Prüfzeugnis" (General Building Inspectorate Certificate) or by
- "Zustimmung im Einzelfall" (Exceptional Approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for irregular building products for the required proofs of applicability.

Without written consent of the test laboratory, this test report may only be published or duplicated during its denoted period of validity, providing that no changes to appearance or content are made.

member of 
notified body no. 1508

By the DAKKS according to DIN EN ISO/IEC 17025 accredited test laboratory.
The accreditation is valid for the testing methods specified in the certificate.



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinsitut Hoch
Leichenweg 1
D-97630 Fladungen

page 2 of 4 of the test report
PZ-Hoch-221141

1. Description of test material in condition as delivered

The testing laboratory is not provided with further details concerning composition of the tested building materials. Samples are deposited.

2. Preparation of samples

Samples with a size of 1000 mm height and 190 mm width where cut from the material for fire testing.

The samples were kept in climate chamber 23/50 until they reached constant weight.

3. Arrangement of samples

mounting: freely suspended
#5954: flaming side A in warp direction
#5955: flaming side B in weft direction
#5958: flaming side A in warp direction
#5959: flaming side A in warp direction

4. Date of test CW 49 in 2022

5. Results The test has been performed according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen				Dim.
	Test number	#5954	#5955	#5958	#5959	
	flaming direction	warp	weft	warp	warp	
	side	A	B	A	A	
1	Number of specimen arrangement acc. to DIN 4102/T15, schedule 1	1	1	1	1	
2	Maximum flame height above bottom edge of specimen	>100	100	>100	>100	cm
3	Time ¹⁾	0:18	0:20	0:18	0:17	min:s
4	Burn-through / melting					
	Time ¹⁾	0:27	0:20	0:20	0:19	min:s
	Observations on the back side of specimen					
	Flames / Glowing	-	-	-	-	
5	Time ¹⁾	J.	J.	J.	J.	min:s
	Change of colour	-	-	-	-	
6	Time ¹⁾	J.	J.	J.	J.	min:s
	Falling of burning droplets	J.	J.	J.	J.	
7	Start ¹⁾					min:s
	Extent					
8	sporadic falling of burning droplets ²⁾	-	-	-	-	
9	continuous falling of burning droplets ³⁾	-	-	-	-	min:s
	Falling of burning parts	J.	J.	J.	J.	
10	Start ¹⁾					min:s
	Extent					
11	sporadic falling of burning parts ²⁾	-	-	-	-	
12	continuous falling of burning parts ²⁾	-	-	-	-	



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

page 3 of 4 of the test report
PZ-Hoch-221141

line no.	Measurement	Result with the tested specimen				Dim.
	Test number	#5954	#5955	#5958	#5959	
	flaming direction	warp	weft	warp	warp	
	side	A	B	A	A	
13	Burning duration at sieve plate (max.)	J.	J.	J.	J.	min:s
14	Impairment of burner by dropping or falling material:					
	Time ¹⁾	J.	J.	J.	J.	min:s
15	Premature end of test					
	Final occurrence of burning at the specimen ¹⁾	0:30	0:30	0:30	4:17	min:s
16	Time of eventually end of test ¹⁾	J.	J.	J.	J.	min:s
17	Afterburning after end of test					
	Time ¹⁾	J.	J.	J.	J.	min:s
18	Number of specimen	-	-	-	-	
19	Front side of specimen ²⁾	-	-	-	-	
20	Rear side of specimen ²⁾	-	-	-	-	
21	flame length	-	-	-	-	cm
22	Afterglow after end of test					
	Time ¹⁾	J.	J.	J.	J.	min:s
23	Number of specimen					
	Place of appearance					
24	Lower half of the specimen ²⁾	-	-	-	-	
25	Upper half of the specimen ²⁾	-	-	-	-	
26	Front side of specimen ²⁾	-	-	-	-	
27	Rear side of specimen ²⁾	-	-	-	-	
28	Density of smoke					
	< 400 % * min	13	14	13	11	% * min
29	> 400 % * min ⁴⁾	-	-	-	-	% * min
30	Diagram in enclosure no.	1	2	3	4	
31	Residual lengths, individual values ²⁾					
	Specimen 1	21	25	19	20	cm
	Specimen 2	22	26	18	20	cm
	Specimen 3	21	26	20	24	cm
	Specimen 4	23	29	21	26	cm
32	Average residual length ³⁾	22	27	20	23	
33	Photo of specimen in enclosure no.	1	2	3	4	
34	Flue gas temperature					
	Maximum of average values	124	125	134	128	°C
35	Time ¹⁾	0:18	0:21	0:18	0:18	min:s
36	Diagram in enclosure no.	1	2	3	4	
37	Remarks: - none -					

¹⁾ indication of times relative to beginning of test

²⁾ checked if applicable

³⁾ indication of carrier/foam layer separated in case of fire-proofing agents

⁴⁾ very strong development of smoke



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

page 4 of 4 of the test report
PZ-Hoch-221141

6. Explanations concerning the testing procedure

none

7. Summary of results and additional establishments to Fire Behaviour

line no.	Measurement test-no.	Result with the tested specimen				dimension
		#5954 warp direction side A	#5955 weft direction side B	#5958 warp direction side A	#5959 warp direction side A	
1	residual length	22	27	20	23	cm
2	max. smoke temperature	124	125	134	128	°C
3	integral of smoke density	13	14	13	11	%min
4	remarks: none					

According to DIN 4102, pt. 1, hardly flammable ("schwerentflammbar") building materials must meet the requirements of class B2.

After performing additional tests in the ignitability apparatus, this could be verified (encl. 5).

8. Special remarks

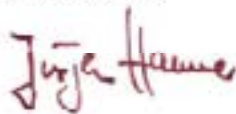
- This report is only valid for the material as described in paragraph 1. In combination with other materials or with additional coatings or primers etc., the burning behaviour may differ
- This test report is not valid for the exposure to outdoor climate conditions, washing or cleaning with chemicals.
- This test report is not valid if the material is used as a building product in the sense of the State Building Regulations ("Landesbauordnungen", MBO § 17, par. 3)
- This test report is no substitute for a General Building Inspectorate Certificate
- This test report is granted without prejudice to the rights of third parties, in particular private proprietary rights.
- For legal interests, only the German original version is relevant.
- In General Building Inspectorates procedures, this test report can be used for
 - regular building materials for the required proof of accordance
 - for not regular building materials for the required proof of applicability

9. Validity

This test report is valid until the denoted date on page 1. The test report becomes invalid in case the standards on which these tests are based are changed.

Fladungen, 10.01.2023

Clerk in charge:



(Dipl.-Ing. (FH) Jürgen Hammer)



Head of test laboratory:



(Dipl.-Ing. (FH) Andreas Hoch)



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97680 Rodungen

enclosure 1 test report
PZ-Hoch-221141

Fire shaft test #5954



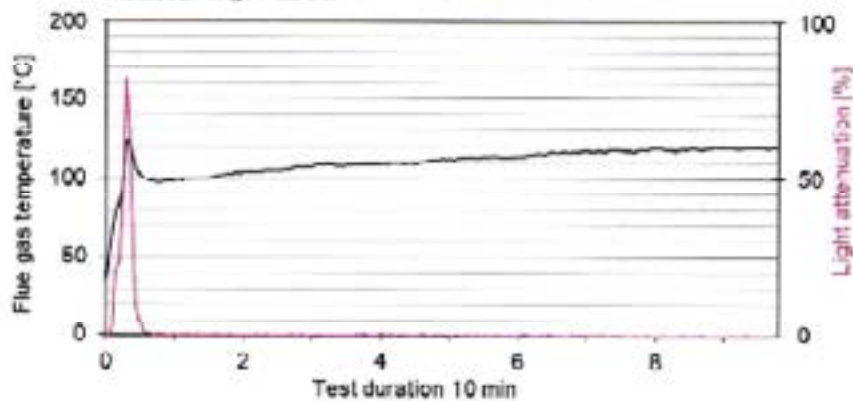
measurement

#5954. PN36076:

A+K

Max. flue temperature: 124°C, Smoke density integral: 13%min

Residual length: 22 cm



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

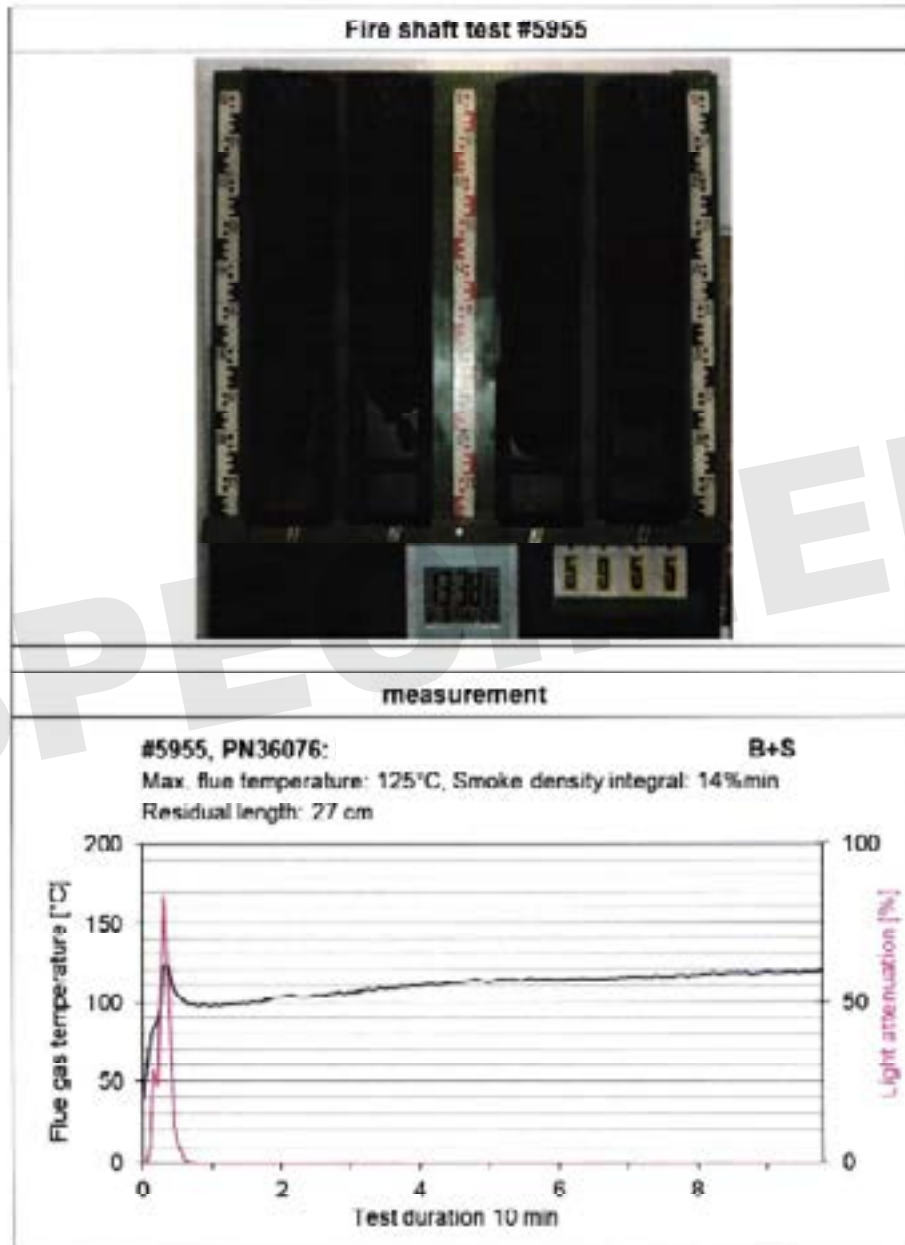
Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lercherweg 1
D-97660 Fladungen

enclosure 2 test report
PZ-Hoch-221141



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

enclosure 3 test report
PZ-Hoch 221141

Fire shaft test #5958



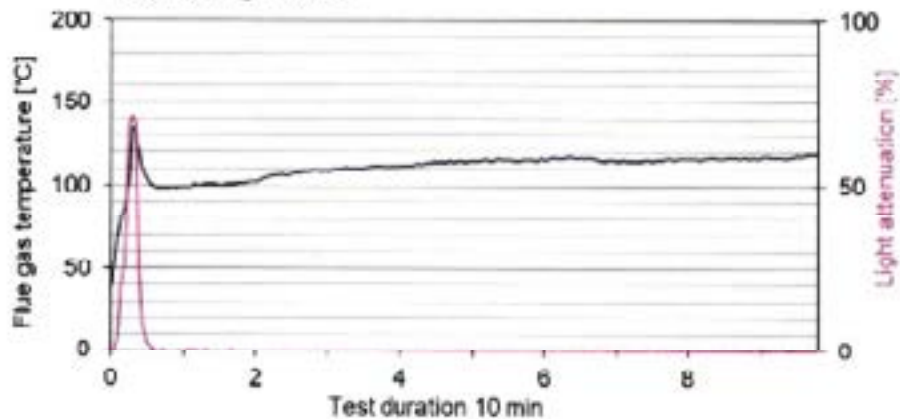
measurement

#5958, PN36076:

A+K

Max. flue temperature: 134°C, Smoke density integral: 13%min

Residual length: 20 cm



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

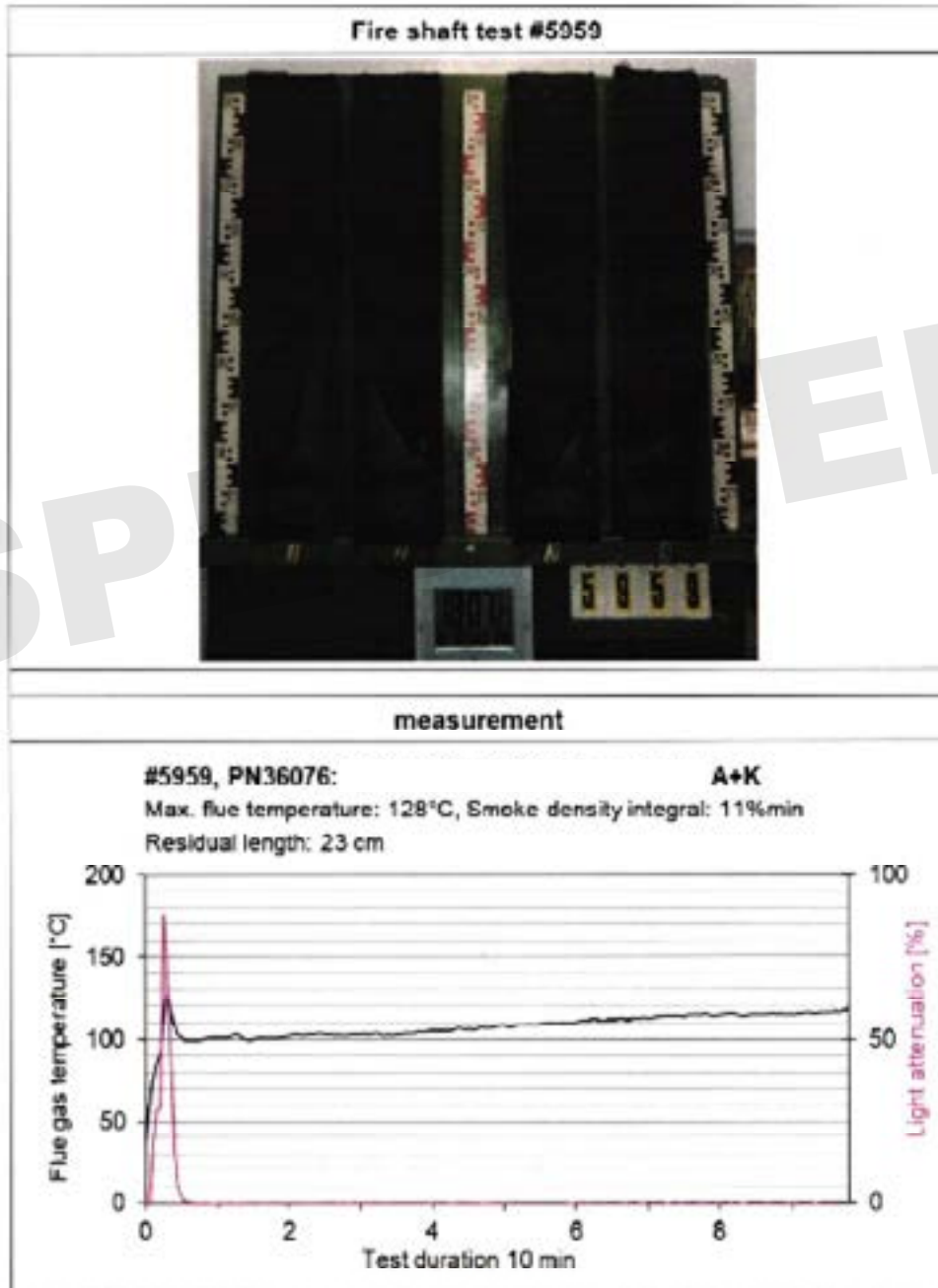
Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

enclosure 4 test report
PZ-Hoch-221141



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: B1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lorchstr. 1
D-97650 Fladungen

enclosure 5 test report
PZ Hoch-221141

Test for normal flammability classifying B2 according to DIN 4102

1. Description of test material in condition as delivered cf. page 2

2. Preparation of samples

Samples for the ignitability apparatus were cut from the sample.

The samples were kept in a climate 23/50 until they reached constant weight.

3. Arrangement of samples freely suspended

Flaming side A and side B in warp and in weft direction

4. Date of test CW 49 in 2022

5. Results

PN 36076: side A in weft	surface-test						edge-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition ¹⁾	2	2	2	2	2	--	1	--	--	--	--	--	s
measurement mark reached ¹⁽²⁾	+	+	+	+	+	--	+	--	--	--	--	--	s
maximum flame height	6	6	6	6	6	--	6	--	--	--	--	--	cm
time of max. flame height	5	5	5	5	5	--	10	--	--	--	--	--	s
Self-cessation of flames ¹⁾	15	15	15	15	15	--	15	--	--	--	--	--	s
end of glowing	16	16	16	16	16	--	16	--	--	--	--	--	s
flames were extinguished after ¹⁾	+	+	+	+	+	--	+	--	--	--	--	--	s
smoke development (visually)	moderate						moderate						
dropping of burning material ¹⁽²⁾	+	+	+	+	+	--	+	--	--	--	--	--	s
Appearance after test: burned out till max. width 2 cm x height 7 cm													

PN 36076: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
side/direction	AK	BK	BS				AK	BK	BS				
ignition ¹⁾	1	1	1	--	--	--	2	2	2	--	--	--	s
measurement mark reached ¹⁽²⁾	+	+	+	--	--	--	+	+	+	--	--	--	s
maximum flame height	6	6	6	--	--	--	6	6	6	--	--	--	cm
time of max. flame height	10	10	10	--	--	--	15	15	15	--	--	--	s
Self-cessation of flames ¹⁾	15	15	15	--	--	--	16	16	16	--	--	--	s
end of glowing	16	16	16	--	--	--	16	16	16	--	--	--	s
flames were extinguished after ¹⁾	+	+	+	--	--	--	+	+	+	--	--	--	s
smoke development (visually)	moderate						moderate						
dropping of burning material ¹⁽²⁾	+	+	+	--	--	--	+	+	+	--	--	--	s
Appearance after test: burned out till max. width 2 cm x height 7 cm													

¹⁾ time denoted relative to beginning of test

²⁾ during 20 Sec

+- no occurrence

-- no information

A: side A B: side B K: warp S: weft

6. Remarks and explanations to the testing procedure - none -

7. Opinion concerning the dropping of burning material

The test for normal flammability shows no dropping burning material.



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance

Exova Warringtonfire, Frankfurt
Industriepark Höchst, C369
Frankfurt am Main
D-65926
Germany

T : +49 (0) 69 385 2476
F : +49 (0) 69 385 17071
E : ESM@exova.com
W: www.exova.com



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

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)

Registered Office: Exova GmbH, Industriepark Höchst, C369, Frankfurt, D-65926, Registered Company No. HRB 43849
Ust-Id Nr. DE255967713

05.01.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 2 from 6

1. Description of the test material

1.1 Details of the customer:

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.

05.01.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 3 from 6

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*		-	-	-	-	-	-	-	-
Ignition	yes/no	no	no	no	no	no	no	no	no

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

Remarks: none

05.08.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 4 from 6

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	Q
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*		-	-	-	-	-	-	-	-
Ignition	yes/no	no	no	no	no	no	no	no	no

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

Remarks: none

05.04.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 5 from 6

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

Remarks: none

05.01.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13773

J&C Joel 
Inspiration in every performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 6 from 6

3. Classification:

The in chapter 1 described material fulfils 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

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.

05.04.2012



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13501-1

J&C Joel 
Inspiration in every performance

Prüfinstitut Hoch

Lerchenweg 1

D-97450 Fladungen

Tel.: 09778-7480-200

hoch.fladungen@t-online.de

www.brandverhalten.de



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

KB-Hoch-221170

KLASSIFIZIERUNGSBERICHT

Klassifizierung des Brandverhaltens nach EN 13501-1 ¹⁾

CLASSIFICATION REPORT

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

Auftraggeber

Client

Gegenstand

Subject

Beschreibung

Description

schwarze Gewebe aus Baumwolle, Polyester und Viskose
black fabrics consisting of cotton, polyester and viscose

Klassifizierung

Classification

B – s2,d0

Berichtsdatum

Issue date

14.12.2022

Geltungsdauer

Validity

30.11.2027 ²⁾ (siehe Abschnitt 5.1 / confer to section 5.1)

Dieser Bericht umfasst 5 Seiten und darf nicht auszugsweise benutzt oder veröffentlicht werden. Für rechtliche Belange ist ausschließlich der deutsche Wortlaut maßgebend.

The report comprises 5 pages and must not be used or reproduced partially or in extracts. For legal interests, only the German wording is decisive.

¹⁾ EN 13501-1:2018

²⁾ Verlängerung auf Antrag / Prolongation on request

Mitglied der 
notified body: 1508

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



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13501-1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Seite 2 von 5 des Klassifizierungsberichts
page 2 of 5 of classification report
KB-Hoch-221170

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.

"002636 Dekomolton GRS"		
Gesamtdicke total thickness		≈ 0,95 mm
Flächengewicht weight per unit area		≈ 198 g/m²
Farbe colour		schwarz black

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).

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-221166 14.12.2022
		EN 13823 (SBI)	PB-Hoch-221169 14.12.2022



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13501-1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Seite 3 von 5 des Klassifizierungsberichts
page 3 of 5 of classification report
KB-Hoch-221170

3.2. Prüfergebnisse / Test results

Prüfverfahren test method	Parameter parameter	Anzahl der Prüfungen number of tests	Prüfergebnisse test results	Anforderung für B – s2,d0 requirements
EN ISO 11925-2	F _s	12 (insg. / total 12)	max. 60 mm	–
	F _s ≤ 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 the single flame source test				

Prüfverfahren test method	Parameter parameter	Anzahl der Prüfungen number of tests	Prüfergebnisse (Mittelwert) test results (average value)	Anforderung requirement
EN 13823	FIGRA _{0,2MJ}	3	74 W/s	A2 / B: ≤ 120 W/s
	FIGRA _{0,4MJ}		0 W/s	C: ≤ 250 W/s D: ≤ 750 W/s
	THR _{600s}		0,8 MJ	A2 / B: ≤ 7,5 MJ C: ≤ 15 MJ
	SMOGRA		50 m ² /s ²	s1: ≤ 30 m ² /s ² s2: ≤ 180 m ² /s ²
	TSP _{600s}		8,8 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]

Die Berechnung der Rauchproduktionsparameter erfolgte unter Berücksichtigung der Rauchproduktion des Brenngases Propan am Hauptbrenner (siehe EN 13823:2020, Abschnitt A.6.1.2).
The calculation of the smoke production parameters was conducted considering the smoke production of the fuel gas propane burning at the main burner (cf. EN 13823:2020, section A.6.1.2).

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



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13501-1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Seite 4 von 5 des Klassifizierungsberichts
page 4 of 5 of classification report
KB-Hoch-221170

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	2	,	d	0

Klassifizierung / Classification: B – s2,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.

Diese Klassifizierung gilt für folgende Endanwendungsbedingungen:

- Freihängend.
- Alternativ müssen angrenzende flächige Baustoffe 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 80 mm betragen. Ausgenommen davon sind Untergründe aus Gipsplatten, die nicht in diesem Endanwendungsbereich mitinbegriffen sind.

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.

This classification is valid for the following end use conditions:

- Freely suspended.
- Alternatively, 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 80 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 angegebenen 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



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Fire Test Certificate - Specimen

Fabric: Acoustic Transparent

Type: EN13501-1

J&C Joel 
Inspiration in every performance



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Seite 5 von 5 des Klassifizierungsberichts
page 5 of 5 of classification report
KB-Hoch-221170

*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.

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.

Without written consent of the test laboratory, this test report may only be published or reproduced during its denoted period of validity (cf. section 5.1), providing that no changes to appearance or content are made and the report is complete.

Dieses Dokument stellt keine Typzulassung oder Zertifizierung des Produktes dar.

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

Fladungen, 14.12.2022

Sachbearbeiter
Clerk in charge



(Dipl.-Ing. (FH) Jürgen Hammer)



Leiter der Prüfstelle
Head of test laboratory



(Dipl.-Ing. (FH) Andreas Hoch)



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com

Acoustic Test Report - Absorption

Absorption Class: E

Calculated to EN ISO 11654:1997

Fabric: Acoustic Transparent
Fullness: Flat
Cavity from Wall: 100mm

J&C Joel 
Inspiration in every performance

Data Sheet 32

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J&C Joel Ltd

Test Date: 20/05/2014

Empty Room: Temperature: 19.0 °C Humidity: 62 %RH Pressure: 999 mbar

Room with Sample: Temperature: 19.2 °C Humidity: 60 %RH Pressure: 1001 mbar

Sample Description: Acoustic Transparent – Single Layer – Flat (Approx. weight 140g/m²) – 100mm cavity from wall

Mounting Method: G-100

Sample Area: 9 m²

Chamber Volume: 300 m³

Test 34

Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	5.33	4.93	0.08	
63*	5.40	4.42	0.22	n/a
80*	6.56	6.34	0.03	
100	7.57	7.88	-0.03	
125	7.11	7.02	0.01	-0.00
160	6.42	6.49	-0.01	
200	7.12	6.59	0.06	
250	7.07	6.68	0.04	0.05
315	6.84	6.04	0.10	
400	6.46	5.62	0.12	
500	5.45	4.62	0.18	0.15
630	4.96	4.19	0.20	
800	5.47	4.25	0.28	
1000	5.91	4.45	0.30	0.30
1250	5.59	4.45	0.25	
1600	5.06	4.17	0.23	
2000	4.75	3.94	0.23	0.25
2500	4.34	3.55	0.27	
3150	3.64	3.08	0.26	
4000	3.09	2.62	0.30	0.30
5000	2.44	2.09	0.34	
6300*	1.79	1.39	0.34	
8000*	1.51	1.32	0.45	n/a
10000*	1.06	0.94	0.56	

A_w 0.25

Class E

Calculated to EN ISO 11654:1997

NRC 0.20

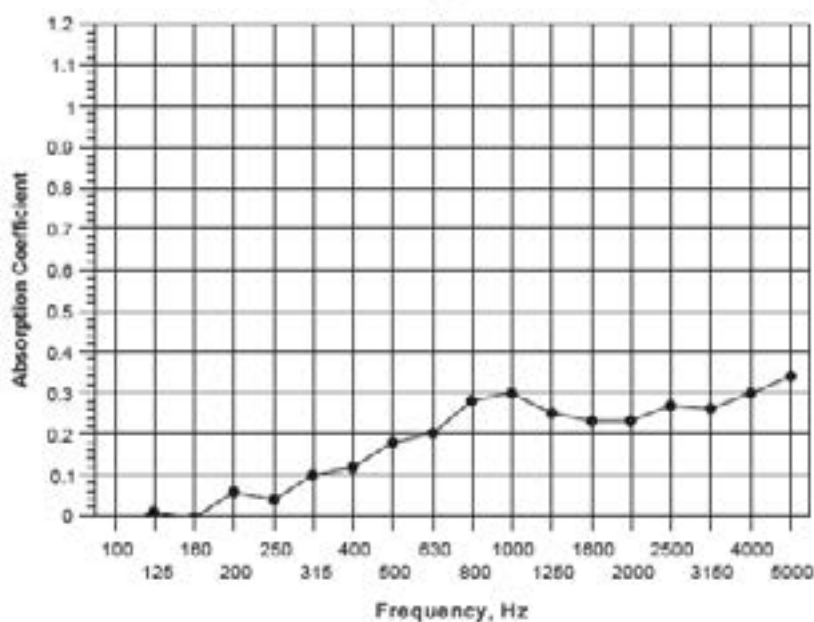
Calculated to ASTM C 423-01

* Denotes frequencies outside the range covered
by BS EN ISO 354:2003

T1, empty room reverberation time

T2, room reverberation time with sample

Sound Absorption Coefficient



Practical absorption coefficient, BS EN ISO 11654:1997

14.3



United Kingdom



United Arab Emirates



+44 1422 833835



+971 4 884 7801



uksales@jcjoel.com



menasales@jcjoel.com

www.jcjoel.com

Acoustic Test Report - Absorption

Absorption Class: E

Calculated to EN ISO 11654:1997

Fabric: Acoustic Transparent
Fullness: Flat
Cavity from Wall: 350mm

J&C Joel 
Inspiration in every performance

Data Sheet 31

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J&C Joel Ltd

Test Date: 20/05/2014

Empty Room: Temperature: 19.0 °C Humidity: 62 %RH Pressure: 999 mbar

Room with Sample: Temperature: 19.2 °C Humidity: 60 %RH Pressure: 1001 mbar

Sample Description: Acoustic Transparent – Single Layer – Flat (Approx. weight 140g/m²) – 350mm cavity from wall

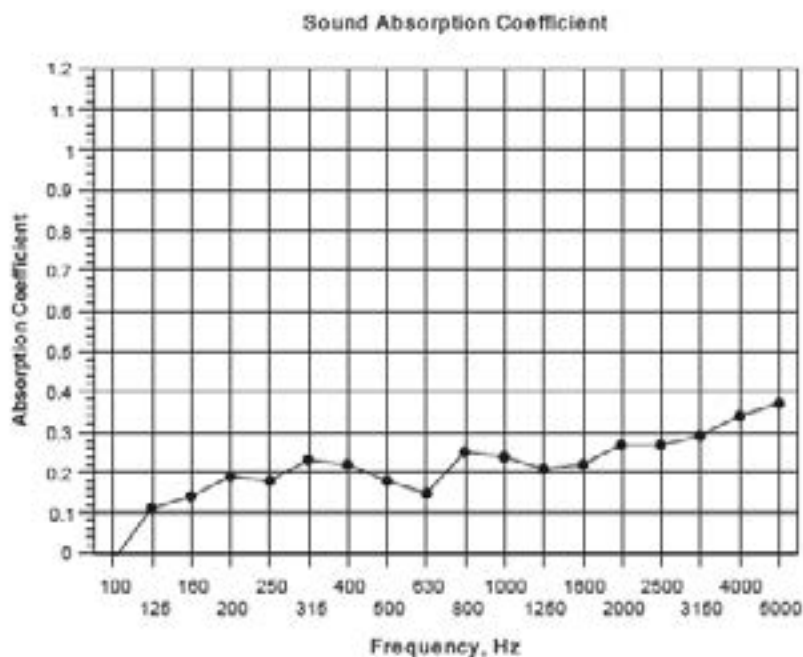
Mounting Method: G-350

Sample Area: 9 m²

Chamber Volume: 300 m³

Test 33

Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
50*	5.33	4.72	0.13	
63*	5.40	5.01	0.08	n/a
80*	6.56	5.81	0.11	
100	7.57	7.73	-0.02	
125	7.11	6.17	0.11	0.10
160	6.42	5.51	0.14	
200	7.12	5.66	0.19	
250	7.07	5.74	0.18	0.20
315	6.84	5.29	0.23	
400	6.46	5.12	0.22	
500	5.45	4.60	0.18	0.20
630	4.96	4.36	0.15	
800	5.47	4.36	0.25	
1000	5.91	4.66	0.24	0.25
1250	5.59	4.59	0.21	
1600	5.06	4.20	0.22	
2000	4.75	3.84	0.27	0.25
2500	4.34	3.54	0.27	
3150	3.64	3.02	0.29	
4000	3.09	2.58	0.34	0.35
5000	2.44	2.07	0.37	
6300*	1.79	1.57	0.38	
8000*	1.51	1.33	0.42	n/a
10000*	1.06	0.93	0.62	



α_w 0.25

Class E

Calculated to EN ISO 11654:1997

NRC 0.20

Calculated to ASTM C 423-01

* Denotes frequencies outside the range covered
by BS EN ISO 354:2003

T1, empty room reverberation time
T2, room reverberation time with sample

Practical absorption coefficient, BS EN ISO 11654:1997

v4.3



United Kingdom



United Arab Emirates



+44 1422 833835



+971 4 884 7801



uksales@jcjoel.com



menasales@jcjoel.com

www.jcjoel.com



United Kingdom



+44 1422 833835



uksales@jcjoel.com



United Arab Emirates



+971 4 884 7801



menasales@jcjoel.com

www.jcjoel.com