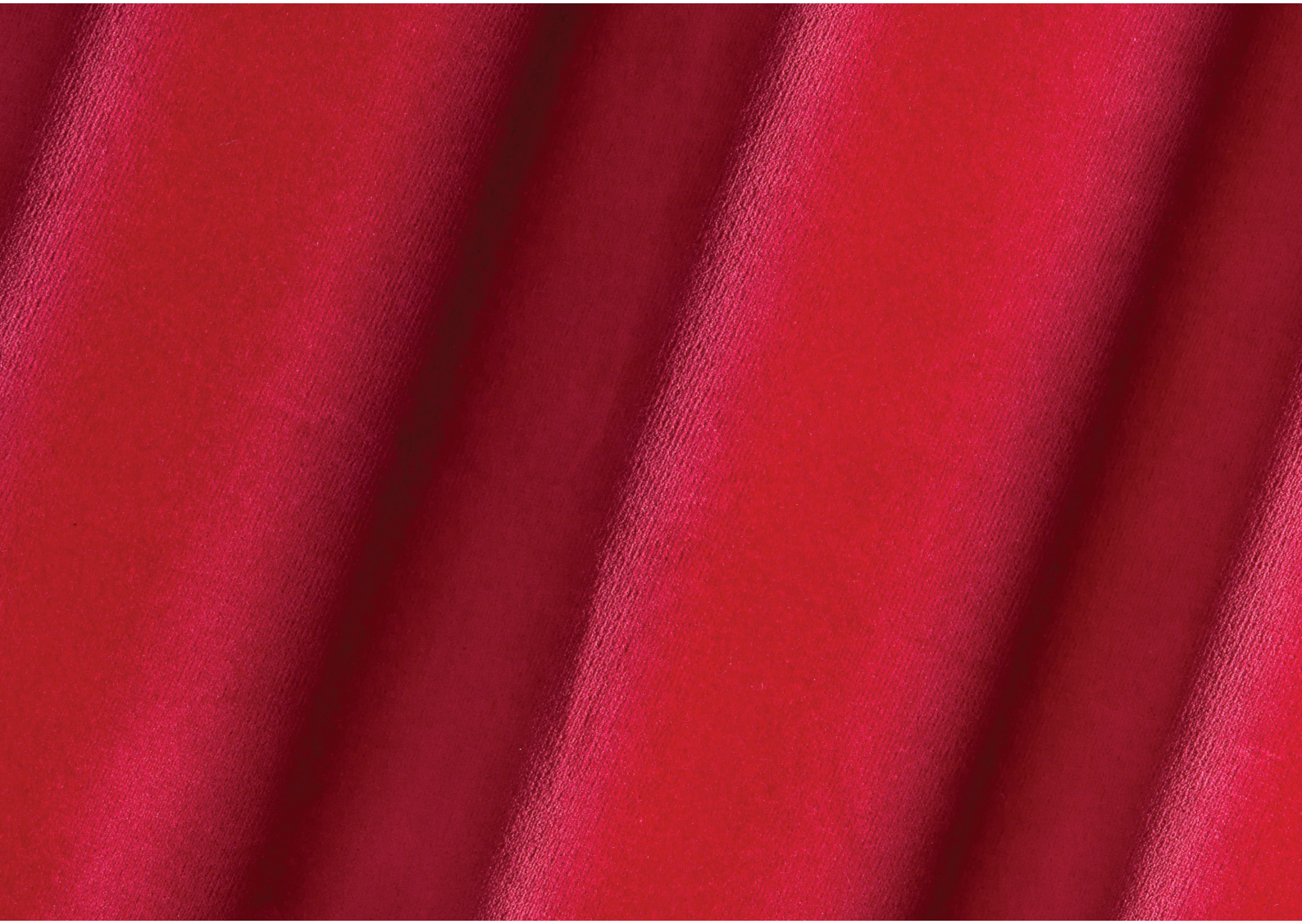
Countess

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



J&C Joel

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Contents

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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

Datasheet - Fabrics & Flooring

Countess

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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, M1, EN13773, NFPA 701, IMO
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	91% Cotton 9% Modal
	Construction of Fabric	V Weave
Chemicals	**Surface Treatments**	Piece Dyed, Chemically Treated
	Brand Name of Flame Retardant Chemicals	Thor
	Chemical name of Flame Retardant Chemicals	Flamentin MSG
	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, EN13773, NFPA 701 and IMO. 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		Approx Pile Height: 2.10mm

Fire Rating:
NDFR

Approx Roll Length:
55m / 180ft

Width:
122cm / 48”

Weight:
375 g/m²

Fire Certification:
BS5867, M1, EN13773, NFPA 701, IMO

Colours Available

Fabric Thickness:
1.35 mm

Determination of fabric thickness BS EN ISO 5084: 1997. Test report available upon request.

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

Fire Test Certificate – Specimen

Fabric: Countess
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: **53519-8**
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: 02 June 2017

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

Velvet Velour, 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

ilac-MRA UKAS TESTING 1066

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: **53519-8**
Your Ref: -

J. & C. Joel Limited

Sample was identified as follows:

Velvet Velour, 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.

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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: **53519-8**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Velvet Velour, 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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1066

Institut Français du Textile et de l'Habillement

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

Valable 5 ans à partir de la date de délivrance

PROCES-VERBAL N° 21-02169 L

et 3 annexes de 14 pages

MARQUE COMMERCIALE : Phoenix - 706.954

DESCRIPTION SOMMAIRE : Tissu coton- modal ignifugé par foulardage
Masse surfacique nominale : 380 g/m²
Epaisseur mesuré : environ 1.2 mm
Coloris : divers

RAPPORT D'ESSAI : N° 21-02169$_{E1V1}$ du 21 septembre 2021

NATURE DES ESSAIS : Brûleur électrique
Vieillissement en enceinte climatique
Nettoyage à sec

CLASSEMENT : M 1

Classement valable pour toute application pour laquelle le produit n'est pas soumis au marquage CE des Produits de Construction.

DURABILITE du classement (Article 5 de l'annexe 2) : non limitée en utilisation à l'abri des intempéries. (matériau non lavable mais nettoyable à sec)

Compte tenu des critères résultant des essais décrits dans le rapport d'essai annexé.
Ce document 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.433-3 l'Ordonnance n°2016-301 du 14 mars 2016 relative au code de la consommation

NOTA : Sont seules autorisées les reproductions intégrales et par photocopie du présent procès-verbal de classement ou de l'ensemble procès-verbal de classement et rapport d'essai annexé.

A Lyon, le 21 septembre 2021

Olivier PALLAS
Ingénieur Tests et Essais

Siège Social : 14 rue des reculettes – 75013 PARIS ● Tél : +33 (0)1 44 08 19 00 ● Fax :+33 (0)1 44 08 19 39 ● www.ifth.org
SIRET 433 430 832 00108 – NAF 729Z – TVA : FR 39 433430832 – CENTRE TECHNIQUE INDUSTRIEL (LOI DU 22 JUILLET 1948 – ARRETE DU 14 AVRIL 2000)
ENRQ_10 v1 01/19

TEST REPORT

Nr. 45 330

Applied on	2003-09-04
Reference	PSP/RS
Received on	2003-09-04
Application	Testing the burning behaviour according to EN 13772 and classification according to EN 13773.
Test Material	Samples provided by the customer: ~ 5 running meters curtain
Received on	2003-08-06
Sample Denomination	"COTTON VELVET quality MB 954, col. flame no. 6 (Flacavon R neu, BS 5867)"

Test Report

Description of the specimen

Denomination of the specimen by the applicant:	"COTTON VELVET quality MB 954, col. flame no. 6 (Flacavon R neu, BS 5867)"

Description of the specimen

According to DIN 60 000

Type of fibre according to DIN 60 001-1:	91 % cotton 9 % viscose (Modal®) (declaration by the applicant)
Technological description:	woven fabric

Test Report

Burning behaviour – Curtains and drapes – Classification

Denomination of the specimen by the applicant:	"COTTON VELVET quality MB 954, col. flame no. 6 (Flacavon R neu, BS 5867)"

Conditions of Classification

In the following the testing methods and test results are aforementioned, after which the classification of the burning behaviour takes place

• Determination of the ignitability of vertical oriented specimen (small flame) according EN 1101	non ignition
• Determination of the flame spread of vertically oriented specimen with large ignition source according EN 13 772	1st marker thread severed 3rd marker thread not severed no flaming debris

Classification

According the conditions of classification of the EN 13 773 the tested specimen can be classified in the Class 2.

Note:

In order to make the comparison between the past ÖNORM-System and the new system from EN 13773 possible, the ÖNORM EN 13 773 contains the following national foreword.

National Foreword

On the basis of the classification guidelines fort he burning behaviour of curtain according the Austrian Prestandard VORNORM ÖNORM B3820 "Burning behaviour of curtains", the following comparison table is intended to harmonize the classification of burning behaviour of curtains and drapes, in order to be able to compare the former system given by the ÖNORM with the new system by this European Standard:

VORNORM ÖNORM B 3820	ÖNORM EN 13 773
Ignitability class	Klasse
B1 – hardly flammable	1/2
B2 – normally flammable	3/4
B3 - easily flammable	5

This conversion table offers the possibility to transfer the classes from one system into the other (and vice-versa), as specified in this standard.

Test Report

Determination of the ignitability of vertically oriented specimen (small flame)

Denomination of the specimen by the applicant:	"COTTON VELVET quality MB 954, col. flame no. 6 (Flacavon R neu, BS 5867)"

Test conditions

According to	EN 1101
Conditioning climate:	20 ± 2 -°C/ 65 % relative humidity
Test climate:	temperature: 26,1 °C relative humidity: 38,0 %
Specimen sice:	200 mm x 80 mm
Test gas:	Propan
Mode of ignition:	Bottom edge ignition
Flamed side:	right side of the sample
Cleaning procedure:	none
Deviation from standard:	none

Test results

Longitudinal direction

Ignition within 20s: no

Ignition time	Number of ignitions	
	ignitions	not ignitions
s		
s		
s		
s		
s		
s		
s		
s		

Middle ignition time: > 20 s
Minimum ignition time: > 20 s

Cross direction

Ignition within 20s: no

Ignition time	Number of ignitions	
	ignitions	not ignitions
s		
s		
s		
s		
s		
s		
s		
s		

Middle ignition time: > 20 s
Minimum ignition time: > 20 s

Note:

The calculation of the middle ignition time refered on the determined numbers of not ignitions (according ISO 6940 Annex B)

oti

Test Report

Determination of the flame spread of vertically oriented specimen with large ignition source

Denomination of the specimen by the applicant:	"COTTON VELVET quality MB 954, col. flame no. 6 (Fiacavon R neu, BS 5867)"

Test conditions

According to	EN 13 772
Conditioning climate:	20 ± 2 -°C/ 65 % relative humidity
Gas:	Propan
Cleaning procedure:	none
Deviation from standard:	none

Test results

	exposed surface	1st marker thread severed	3rd marker thread severed	Time from start of inflammation to burning through of the 1st marker thread	Time from start of inflammation to burning through of the 3rd marker thread	destroyed length	flaming debris
Longitudinal direction							
Sample 1	right	yes	no	12 s	-- s	16 cm	no
Sample 2	left	yes	no	11 s	-- s	17 cm	no
Sample 3	left	yes	no	8 s	-- s	19 cm	no
Sample 4	left	yes	no	8 s	-- s	16 cm	no
Cross direction							
Sample 1	right	yes	no	11 s	-- s	14 cm	no
Sample 2	left	yes	no	8 s	-- s	17 cm	no
Sample 3	left	yes	no	7 s	-- s	22 cm	no
Sample 4	left	yes	no	10 s	-- s	16 cm	no

Contents page

This Test Report consists of 8 pages.
Furthermore 1 sealed demonstration sample is enclosed.
The issue replaces report no. 44 373 from 2003-10-20.

Vienna, 2003-10-20 / sc / (f)

For the laboratory
Ing. Judith Pointner

For the technical group
Ing. Hanspeter Bauer

For the institute
Dipl.Ing. Dr. Erich Zippel

Fire Test Certificate – Specimen

Fabric: Countess
Type: EN13773

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[illegible] Angelegenheiten

AKKREDITIERUNGSURKUNDE

Hiermit wird bestätigt, daß das

Österreichische Textil-Forschungsinstitut

als Prüfstelle gemäß Akkreditierungsgesetz (AkkG), BGBl.Nr. 468/1992 i.d.F. BGBl.Nr.430/1996, mit Bescheid Zl. 92714/78-IX/2/94 für Prüfverfahren der Fachgebiete

ICS-Nr. 01.040.59	Textilindustrie, Lederindustrie (Begriffe)
ICS-Nr. 03.120.30	Anwendung statistischer Methoden
ICS-Nr. 13.220.40	Zünd- und Brennverhalten (Feuerfestigkeit) von Materialien und Produkten
ICS-Nr. 13.220.50	Zünd- und Brennverhalten (Feuerfestigkeit) von Baustoffen und -elementen
ICS-Nr. 17.180.20	Farben, Lichtmessung
ICS-Nr. 49.040	Beschichtungen und Beschichtungsverfahren der Luft- und Raumfahrttechnik
ICS-Nr. 59.060	Textilfasern
ICS-Nr. 59.080	Textilprodukte
ICS-Nr. 59.080.01	Textilprodukte im allgemeinen, Textilien
ICS-Nr. 59.080.20	Garne
ICS-Nr. 59.080.30	Textile Flächengebilde, Stoffe
ICS-Nr. 59.080.60	Textile Fußbodenbeläge
ICS-Nr. 91.060.30	Decken, Fußböden, Treppen
ICS-Nr. 91.100	Baustoffe
ICS-Nr. 91.120.10	Wärmedämmung
ICS-Nr. 91.140.30	Belüftungs- und Klimaanlagen
ICS-Nr. 97.200.50	Spielzeug

akkreditiert ist. Der detaillierte Akkreditierungsumfang ist der dem Bescheid angeschlossenen Normenliste (68 Prüfverfahren) zu entnehmen. Die Prüfstelle entspricht den Anforderungen der EN 45001.

Die Akkreditierung wird mit 1. März 1994 erteilt. Für die Aufrechterhaltung der Akkreditierung gelten die Bestimmungen des Akkreditierungsgesetzes.

Wien, am 1. April 1999

Dipl.-Ing. G.P.Friers
Abteilungsleiter

V. Dr. W.Dittenberger
Sektionsleiter

Bundesministerium für Wirtschaft und Arbeit

AKKREDITIERUNGSURKUNDE

Hiermit wird bestätigt, dass das

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Prüfstelle:

ICS-Nr. 13.220.40	Zünd- und Brennverhalten (Feuerfestigkeit) von Materialien und Produkten	ICS-Nr. 59.080.20	Garne
		ICS-Nr. 59.080.30	Textile Flächengebilde, Stoffe
ICS-Nr. 13.220.50	Zünd- und Brennverhalten (Feuerfestigkeit) von Baustoffen und -elementen	ICS-Nr. 59.080.60	Textile Fußbodenbeläge
		ICS-Nr. 79.060.01	Platten auf Holzbasis im allgemeinen; Holzwerkstoffe
ICS-Nr. 13.340.10	Schutzkleidung	ICS-Nr. 91.100.01	Baustoffe im allgemeinen
ICS-Nr. 43.040.60	Karosserie, Karosserieteile	ICS-Nr. 97.140	Möbel
ICS-Nr. 59.080.01	Textilprodukte im allgemeinen, Textilien	ICS-Nr. 97.150	Nichttextile Bodenbeläge
		ICS-Nr. 97.160	Haushaltstextilien, Wäsche
		ICS-Nr. 97.200.50	Spielzeug

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Die Akkreditierungsurkunde muss spätestens am 13.12.2006 verlängert werden.

Wien, am 22. Juli 2002

MR Dipl.-Ing. G.P.Friers
Leiter der Abteilung I/12

MR Dr. W.Dittenberger
Bereichsstellvertreter I/BS2

Fire Test Certificate – Specimen

Fabric: Countess
Type: EN13773

J&C Joel
Inspiration in every performance

ÖSTERREICHISCHES INSTITUT FÜR BAUTECHNIK
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A-1010 Wien
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Fax + 43/1/533 64 23
E-mail: mail@oib.or.at
AUSTRIAN INSTITUTE OF CONSTRUCTION ENGINEERING
Internet: http://www.oib.or.at

EINSCHREIBEN

ÖTI
Österreichisches Textil-Forschungsinstitut
Spengergasse 20
1050 Wien

Wien, am 12. Juli 2000

Zahl: OIB-190-007/99-008

Betreff: Akkreditierung der Prüfstelle Österreichisches Textil-Forschungsinstitut (ÖTI)

Akkreditierungsbescheid

Um die Befugnis zur Durchführung bestimmter Prüfungen gemäß § 2 Abs. 1 Wiener Bauprodukten- und Akkreditierungsgesetz, LGBl. für Wien Nr. 30/1996, zu erlangen, hat das Österreichische Textil-Forschungsinstitut (ÖTI) am 21. Dezember 1999 gemäß § 5 Abs. 1 Wiener Bauprodukten- und Akkreditierungsgesetz, LGBl. für Wien Nr. 30/1996, einen Antrag auf Akkreditierung als Prüfstelle gestellt.

Über diesen Antrag des Österreichischen Textil-Forschungsinstitutes (ÖTI) auf Akkreditierung als Prüfstelle im Sinne des § 5 Abs. 1 Wiener Bauprodukten- und Akkreditierungsgesetz, LGBl. für Wien Nr. 30/1996, entscheidet das Österreichische Institut für Bautechnik, 1010 Wien, Schenkenstraße 4, als vom Magistrat der Stadt Wien betraute Akkreditierungsstelle mit nachstehendem

SPRUCH:

Das

Österreichische Textil-Forschungsinstitut (ÖTI), 1050 Wien, Spengergasse 20,

wird gemäß § 5 Abs. 5 Wiener Bauprodukten- und Akkreditierungsgesetz, LGBl. für Wien Nr. 30/1996, als Prüfstelle akkreditiert.

EINSCHREIBEN

ÖTI
Österreichisches Textil-Forschungsinstitut
Spengergasse 20
1050 Wien

Wien, am 13. April 2001

Zahl: OIB-190-007/99-013

Betreff: Akkreditierung der Überwachungsstelle Österreichisches Textil-Forschungsinstitut (ÖTI)

Akkreditierungsbescheid

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SPRUCH:

Das

Österreichische Textil-Forschungsinstitut (ÖTI), 1050 Wien, Spengergasse 20,

wird gemäß § 5 Abs. 5 Wiener Bauprodukten- und Akkreditierungsgesetz, LGBl. für Wien Nr. 30/1996, als Überwachungsstelle akkreditiert.

Fire Test Certificate – Specimen

Fabric: Countess
Type: IMO

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: 25 October 2019

Our Ref: 23/56904-2
Your Ref: 58584

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

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 58484

Date of Receipt: 15 October 2019

Description of Sample(s): One sample of fabric, referenced;
Baroness Velvet NDFR

Work Requested: We were asked to make the following test(s):

IMO FTP Code 2010 Part 7

* subcontracted test, UKAS accredited
** subcontracted test, EN ISO/IEC 17025 accredited
*** not UKAS accredited

1066

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: 25 October 2019

Our Ref: 23/56904-2
Your Ref: 58484

Client: J. & C. Joel Limited

Product Description

Company Name	J. & C. Joel Ltd
Type of Material, i.e. Curtain, Drape, etc.	Drapery and Backdrops
Name and/or Identification of the Product Tested	Velvet Velour
Mass per Unit Area (g/m^2)	375gsm/395gsm
Thickness (mm)	1mm
Colour and Tone (i)	Burgundy
Quantity and Number of Any Coating	None
Method and Quantity of Fire Retardant Treatment	100% Immersion
Materials of the Product and its Composite Ratio (ii)	100% cotton
Composition of Weave (iii)	'V' weave velvet
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Not supplied by client
Yarn Number Count	Not supplied by client

(i) If the product has a pattern, the representative colour shall be described.
(ii) Such as wool, nylon, polyester, etc.
(iii) Such as plain, weave, twilled;

1066

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: 25 October 2019

Our Ref: 23/56904-2
Your Ref: 58484

Client: J. & C. Joel Limited

FIRE TESTS ACCORDING to IMO FTP Code 2010:Part 7
Test for Vertically Supported Textiles and Films

Cleaning Procedure
The sample received no pre-treatment as the fabric is stated to be non durably flame retardant.

Conditioning
The sample was conditioned for 72 hours in the standard atmosphere for conditioning textiles of 20± 5°C and 65 ± 5% R.H.

Procedure

The sample was tested in accordance with IMO FTP Code 2010:Part 7. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

A 40mm high propane gas flame was applied to the face of 5 warp and 5 weft specimens for 15 seconds.

The after-flame time, length of char, existence of surface flashing and ignition of cotton waste from drops were recorded.

Requirements

The Performance Criteria for Curtains and Drapes states that: Products which show any of the following characteristics obtained by the fire test in appendix 1, shall be considered unsuitable for use as curtains, drapes or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk as defined in the relevant regulations of chapter II-2 of the Convention:-.

1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame.
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame.
3. Ignition of cotton wool below specimen in any of the 10 or more specimens tested.
4. An average char length in excess of 150mm observed in any of the 10 or more specimens tested by either surface or edge ignition; and
5. The occurrence of a surface flash propagating more than 100mm from the point of ignition with or without charring of the base fabric.

If it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in subparagraphs .1 to .3 and .5 above because of poor performance of only one of the five specimens tested, one complete retest of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

Fire Test Certificate – Specimen

Fabric: Countess
Type: IMO

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: 25 October 2019

Our Ref: 23/56904-2
Your Ref: 58484

Client: J. & C. Joel Limited

As Received

	After flame time (s)		Char length (mm)		Flaming to edge (yes or No)		Ignition of Cotton Wool from Flaming Drops (Yes or No)		Surface Flashing (Yes or No), if yes, Propagation Length (mm)	
	Warp	Weft	Warp	Warp	Weft	Weft	Warp	Weft	Warp	Weft
	0	0	51	54	No	No	No	No	No	No
	0	0	48	48	No	No	No	No	No	No
	0	0	53	53	No	No	No	No	No	No
	0	0	48	51	No	No	No	No	No	No
	0	0	46	47	No	No	No	No	No	No
Mean	0	0	49	51						

Comment

The results indicate the sample meets the requirements according to IMO 2010 FTP Code, Part 7.

This report relates only to the samples submitted and as described in the report.

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:.....
B Bland
Laboratory Technician

Countersigned By:.....
P Doherty
Manager

1066

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

Client: J. & C. Joel Limited

Date: 25 October 2019

Our Ref: 23/56904-2
Your Ref: 58484

Uncertainty Budget - Annex

The overall uncertainty budget IMO FTP Code 2010:Part 7 is as follows:-

Measurements:	±1mm
Duration of Flaming:	±0.5 seconds

ilac-MRA UKAS TESTING 1066

Fire Test Certificate – Specimen

Fabric: Countess
Type: NFPA 701

J&C Joel
Inspiration in every performance

SGS GOVMARK

96-D Allen Boulevard
Farmingdale, New York 11735-5626 USA
Tel. +1 (631) 293-8944 Fax +1 (631) 293-895
email: govmark.accounting@sgs.com

Received: 02/15/2019	Completed: 02/18/2019	Letter: N	BG	P.O.#: 55778	Test Report #: 3-30911-0-
Client's Identification	Style: Velvet Velour 122cm wide. Date of Mfg.: February 2019. Composition: 100% Cotton. Weight: 375/395 gsm. Product End Use: Stage Draperies/Event Draperies. (see continuation)				

Tested For: **Andrew Walsh**
J & C Joel, Ltd.
Corporation Mill, Corporation St.UK
Sowerby Brdg,Halifax,W Yorkshire

Key Test: NFPA 701-2019 TM#1 275

Tel: 011 422 833 835 **Ext:**
Fax:

CLIENT'S IDENTIFICATION (continuation):

Additional Information: Dyed and Treated with Flame-Retardant Solution.

LE:2019 V:01/19 PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2019 Edition - Test Method #1

PRODUCT CONFIGURATION: [x] Single Layer; [ ] Multi Layer

RESULTS REPORTED: [x] Initially; [ ] After 3 dry cleanings; [ ] After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flamming Drip/Debris (seconds)	Weight Loss (percent)
1	0	0	26.7
2	0	0	23.4
3	0	0	22.6
4	0	0	24.5
5	0	0	23.8
6	0	0	25.2
7	0	0	23.1
8	0	0	27.1
9	0	0	27.4
10	0	0	26.0
	Mean:	0	Mean: 25.0

STATISTICAL VALUES: SD = 1.7 3 SD = 5.2 Mean + 3 SD = 30.2

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by SGS Govmark): 348 g/m²

PRECONDITIONING: [x] 0.5 hr @ 220°F (Standard)
[ ] 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² ÷ 28.35 x .835 = oz/yd²

NOTE:

1. All specimens prepared in the length direction.
2. See addendum for individual specimen weights.

(Page 1 of 2)

SGS GOVMARK

96-D Allen Boulevard
Farmingdale, New York 11735-5626 USA
Tel. +1 (631) 293-8944 Fax +1 (631) 293-895
email: govmark.accounting@sgs.com

Received: 02/15/2019	**Completed:** 02/18/2019	**Letter:** N	BG	**P.O.#:** 55778	**Test Report #:** 3-30911-0-
Client's Identification	Style: Velvet Velour 122cm wide. Date of Mfg.: February 2019. Composition: 100% Cotton. Weight: 375/395 gsm. Product End Use: Stage Draperies/Event Draperies. (see continuation)				

Tested For: **Andrew Walsh**
J & C Joel, Ltd.
Corporation Mill, Corporation St.UK
Sowerby Brdg,Halifax,W Yorkshire

Key Test: NFPA 701-2019 TM#1 275

Tel: 011 422 833 835 **Ext:**
Fax:

REMARKS:

[x] Flames did not project above the top of the specimen.
[ ] Flames projected above the top of the specimen; Specimen #'s _____
[ ] Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2019 Edition Test Method #1

Afterflame	Flaming Drip/Debris (Mean)	Weight Loss (percent) Mean	Weight Loss (percent) Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2019 Edition Test Method #1, the item tested:

[x] Passes; [ ] Fails; [ ] Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames could be cause for rejection by local fire authorities performing "match" field tests.

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

Phyllis Pettit
FEB 2 5 2019

AUTHORIZED SIGNATURE
SGS GOVMARK
/jab /pm

(Page 2 of 2)

Fire Test Certificate – Specimen

Fabric: Countess
Type: NFPA 701

J&C Joel
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SGS GOVMARK

Client Name : J&C Joel Ltd.
Addendum to Test Report #: 3-30911-0
Test : 701 TM#1

Specimen #	Weight Before Test (g)	Weight After Test (g)	Percent Weight Loss
1	21.00	15.40	26.7
2	21.40	16.40	23.4
3	21.20	16.40	22.6
4	22.00	16.60	24.5
5	21.00	16.00	23.8
6	21.40	16.00	25.2
7	21.60	16.60	23.1
8	21.40	15.60	27.1
9	21.20	15.40	27.4
10	20.80	15.40	26.0

Mean Percent Weight Loss : 25.0
Standard Deviation : 1.7
3 x Standard Deviation : 5.2
Mean + 3 x Standard Deviation : 30.2

Acoustic Test Report - Absorption

Absorption Class: C
Calculated to EN ISO 11654:1997
Fabric: Countess
Fullness: 50%
Cavity from Wall: 100mm

J&C Joel
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Data Sheet 28

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:**	19.1	°C	**Humidity:**	60	%RH	**Pressure:**	1001 mbar

Sample Description: Countess – Single Layer – 50% fullness (Approx. weight 375g/m²) – 100mm cavity from wall

Mounting Method: G-100
Sample Area: 9 m2
Chamber Volume: 300 m3

	Test 30			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*5.33*	*5.70*	*-0.07*	
*63**	*5.40*	*4.73*	*0.14*	*n/a*
*80**	*6.56*	*6.07*	*0.07*	
100	7.57	7.59	-0.00	
125	7.11	6.26	0.10	0.10
160	6.42	5.56	0.13	
200	7.12	5.50	0.22	
250	7.07	5.15	0.28	0.30
315	6.84	4.46	0.42	
400	6.46	3.87	0.56	
500	5.45	3.13	0.73	0.70
630	4.96	2.87	0.79	
800	5.47	2.92	0.86	
1000	5.91	3.09	0.83	0.85
1250	5.59	2.92	0.88	
1600	5.06	2.89	0.80	
2000	4.75	2.76	0.81	0.80
2500	4.34	2.63	0.80	
3150	3.64	2.33	0.82	
4000	3.09	2.02	0.90	0.85
5000	2.44	1.73	0.88	
*6300**	*1.79*	*1.38*	*0.85*	
*8000**	*1.51*	*1.18*	*0.92*	*n/a*
*10000**	*1.06*	*0.83*	*1.30*	

α_w 0.60(MH)

Class C

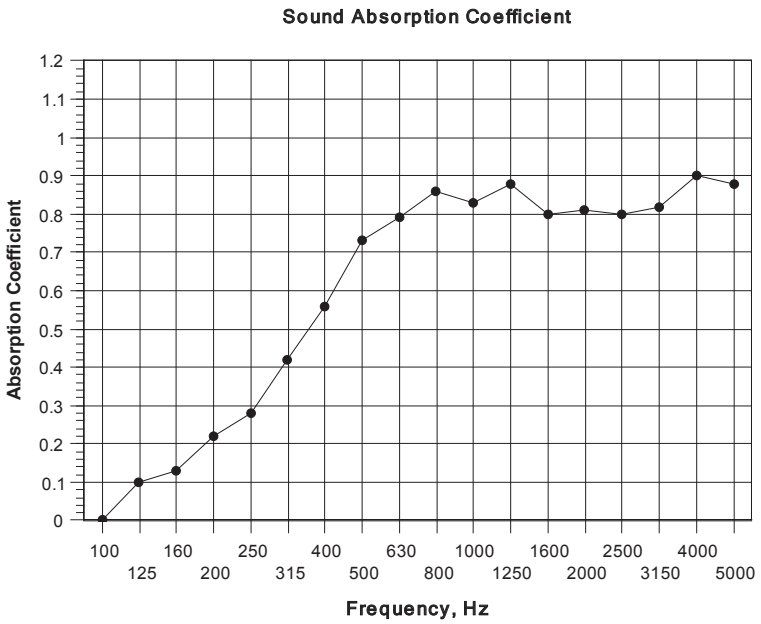
Calculated to EN ISO 11654:1997

NRC 0.65

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

Acoustic Test Report - Absorption

Absorption Class: C
Calculated to EN ISO 11654:1997
Fabric: Countess
Fullness: 50%
Cavity from Wall: 350mm

J&C Joel
Inspiration in every performance

Data Sheet 27

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:**	19.1	°C	**Humidity:**	60	%RH	**Pressure:**	1001 mbar

Sample Description: Countess – Single Layer – 50% fullness (Approx. weight 375g/m²) – 350mm cavity from wall

Mounting Method: G-350
Sample Area: 9 m2
Chamber Volume: 300 m3

	Test 29			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*5.33*	*5.73*	*-0.07*	
*63**	*5.40*	*4.45*	*0.21*	*n/a*
*80**	*6.56*	*5.72*	*0.12*	
100	7.57	6.88	0.07	
125	7.11	5.60	0.20	0.20
160	6.42	4.71	0.30	
200	7.12	4.51	0.44	
250	7.07	4.19	0.52	0.55
315	6.84	3.76	0.64	
400	6.46	3.56	0.68	
500	5.45	3.18	0.70	0.70
630	4.96	2.98	0.72	
800	5.47	2.97	0.83	
1000	5.91	3.03	0.87	0.85
1250	5.59	2.92	0.88	
1600	5.06	2.82	0.84	
2000	4.75	2.70	0.86	0.85
2500	4.34	2.54	0.87	
3150	3.64	2.25	0.90	
4000	3.09	2.03	0.89	0.90
5000	2.44	1.70	0.93	
*6300**	*1.79*	*1.33*	*0.99*	
*8000**	*1.51*	*1.15*	*1.04*	*n/a*
*10000**	*1.06*	*0.84*	*1.22*	

α_w 0.75(H)

Class C

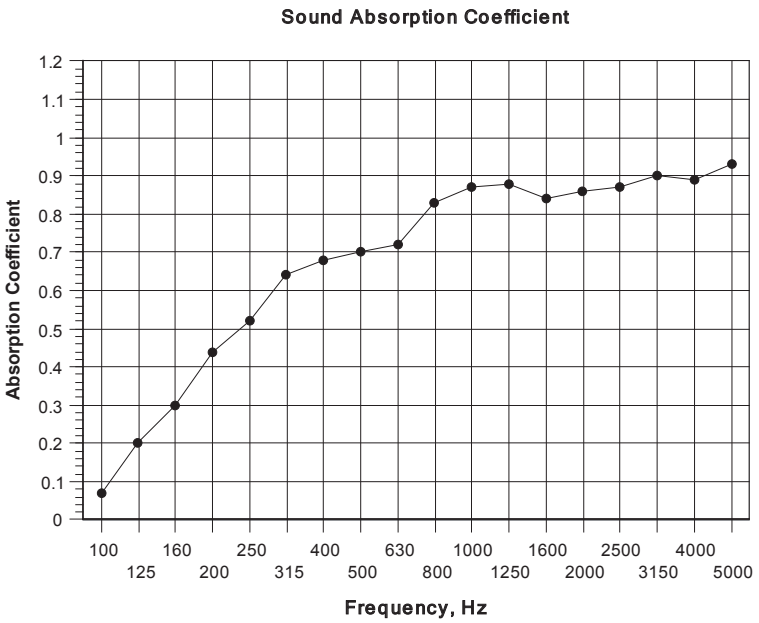
Calculated to EN ISO 11654:1997

NRC 0.75

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

Acoustic Test Report - Absorption

Absorption Class: C
Calculated to EN ISO 11654:1997
Fabric: Countess
Fullness: 100%
Cavity from Wall: 100mm

J&C Joel
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Data Sheet 29

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: Countess – Single Layer – 100% fullness (Approx. weight 375g/m²) – 100mm cavity from wall

Mounting Method: G-100
Sample Area: 9 m2
Chamber Volume: 300 m3

	Test 31			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*5.33*	*5.59*	*-0.05*	
*63**	*5.40*	*4.51*	*0.20*	*n/a*
*80**	*6.56*	*5.96*	*0.08*	
100	7.57	6.67	0.10	
125	7.11	5.78	0.17	0.15
160	6.42	5.29	0.18	
200	7.12	5.20	0.28	
250	7.07	4.80	0.36	0.40
315	6.84	3.91	0.59	
400	6.46	3.53	0.69	
500	5.45	2.93	0.85	0.85
630	4.96	2.66	0.94	
800	5.47	2.77	0.96	
1000	5.91	2.94	0.92	0.95
1250	5.59	2.83	0.94	
1600	5.06	2.77	0.88	
2000	4.75	2.64	0.90	0.90
2500	4.34	2.48	0.92	
3150	3.64	2.23	0.93	
4000	3.09	1.96	0.99	0.95
5000	2.44	1.70	0.93	
*6300**	*1.79*	*1.36*	*0.91*	
*8000**	*1.51*	*1.17*	*0.97*	*n/a*
*10000**	*1.06*	*0.83*	*1.31*	

α_w 0.70(MH)

Class C

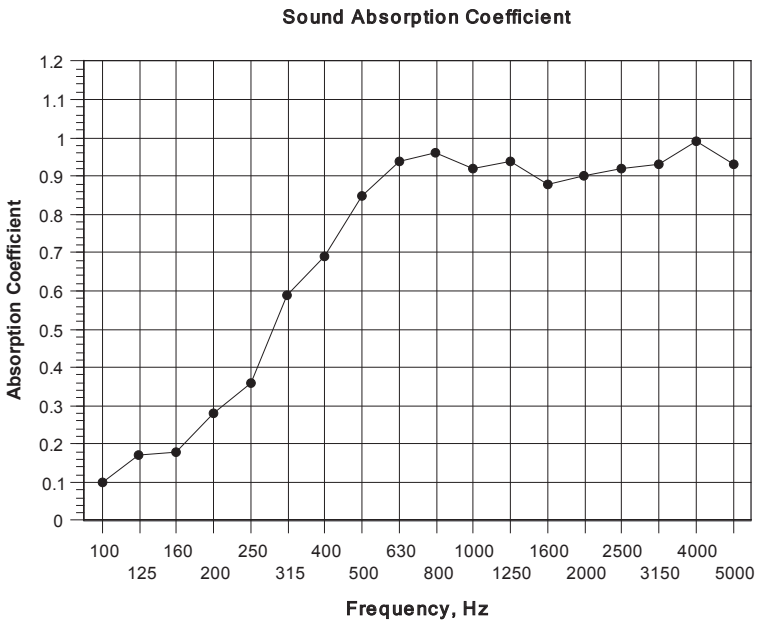
Calculated to EN ISO 11654:1997

NRC 0.75

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

Acoustic Test Report - Absorption

Absorption Class: C
Calculated to EN ISO 11654:1997
Fabric: Countess
Fullness: 100%
Cavity from Wall: 350mm

J&C Joel
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Data Sheet 30

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: Countess – Single Layer – 100% fullness (Approx. weight 375g/m²) – 350mm cavity from wall

Mounting Method: G-350
Sample Area: 9 m2
Chamber Volume: 300 m3

	Test 32			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*5.33*	*4.99*	*0.07*	
*63**	*5.40*	*4.63*	*0.17*	*n/a*
*80**	*6.56*	*5.71*	*0.12*	
100	7.57	6.85	0.07	
125	7.11	5.46	0.23	0.20
160	6.42	4.50	0.36	
200	7.12	4.41	0.46	
250	7.07	4.38	0.47	0.50
315	6.84	3.83	0.62	
400	6.46	3.48	0.71	
500	5.45	3.14	0.73	0.75
630	4.96	2.77	0.86	
800	5.47	2.83	0.92	
1000	5.91	2.91	0.94	0.95
1250	5.59	2.76	0.99	
1600	5.06	2.73	0.91	
2000	4.75	2.54	0.98	0.95
2500	4.34	2.41	0.99	
3150	3.64	2.14	1.03	
4000	3.09	1.89	1.09	1.00
5000	2.44	1.61	1.11	
*6300**	*1.79*	*1.34*	*0.97*	
*8000**	*1.51*	*1.13*	*1.14*	*n/a*
*10000**	*1.06*	*0.80*	*1.56*	

α_w 0.75(H)

Class C

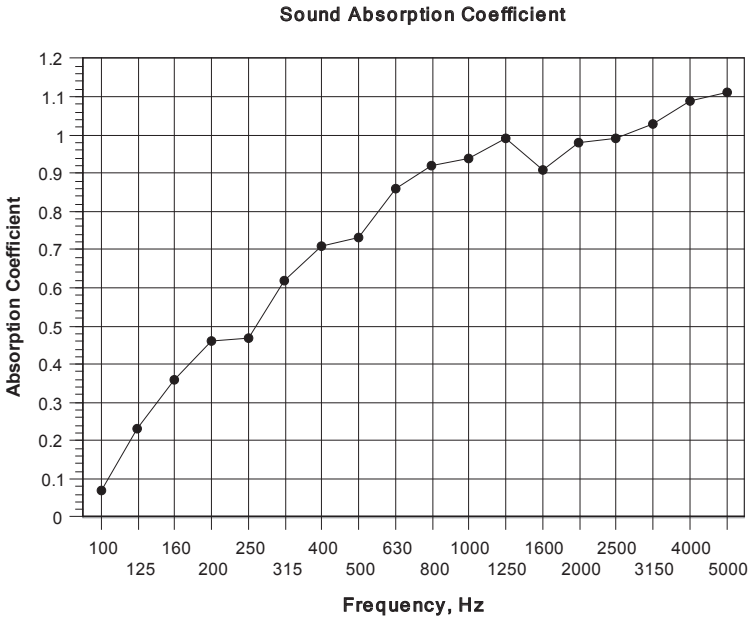
Calculated to EN ISO 11654:1997

NRC 0.80

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

J&C Joel™

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