

Empress

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

J&C Joel 

the inspiration behind the performance

Contents

Composition & Care

150 cm 3

Fire Certificate

BS5867 Part 2 Type B 4

M1 7

Acoustic Test Report

50% Fullness 9

100% Fullness 10

TECHNICAL



NDFR

Non Durably Flame Retardant

chemically treated with a water solution and if wetted in any way should be retreated



DFR

Durably Flame Retardant

chemically treated to withstand a number of cleanings



IFR

Inherently Flame Retardant

woven from fibres with a high flame retardancy



FR

Flame Retardant

chemically treated to an individual specification



NOT FR

Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

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

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

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

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

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

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

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

ATTRIBUTES



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



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



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



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

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






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

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

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

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

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

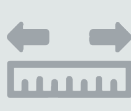
Fabric	Flame Retardancy	NDFR
	Fire Certification	BS5867, M1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Cotton
	Construction of Fabric	V Weave
Chemicals	Surface Treatments	Piece Dyed, Chemically Fitted
	Brand Name of Flame Retardant Chemicals	Thor
	Chemical name of Flame Retardant Chemicals	Flammentin MSG
	Process of Flame Retardant Chemicals	Immersion
Care	Information	<p>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 and M1. 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.</p> <p>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.</p> <p>This fabric is not pre-shrunk.</p>
	Laundering Treatment	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Dry Clean Only</div> <div style="text-align: center;"> Do Not Wash</div> <div style="text-align: center;"> Do Not Bleach</div> <div style="text-align: center;"> Do Not Iron</div> <div style="text-align: center;"> Do Not Tumble Dry</div> </div>
Notes	Approx Pile Height: 2.9mm	



Fire Rating:
NDFR



Approx Roll Length:
30m / 98ft



Width:
150cm / 59"



Weight:
620 g/m²



Fire Certification:
BS5867, M1



Colours
Available



Fabric Thickness:
2.68 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: Empress
Type: BS5867 Part 2 Type B

J&C Joel 
the inspiration behind the performance



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

Date: 01 August 2017
Our Ref: 53519-25
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: 07 June 2017

Description of Sample(s): One sample identified as follows was received for testing:
Vegas 620 Velvet, 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



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 GS 818764800.
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.

Fire Test Certificate – Specimen

Fabric: Empress
Type: BS5867 Part 2 Type B



J. & C. Joel Limited

Sample was identified as follows:

Vegas 620 Velvet, 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: 53519-25
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 ± 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.



Shirley* Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04659651. VAT Number GB 815764860.
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.

Fire Test Certificate – Specimen

Fabric: Empress
Type: BS5867 Part 2 Type B



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

Date: 01 August 2017
Our Ref: 53519-25
Your Ref: -
Page: 3 of 3

J. & C. Joel Limited

RESULTS

Sample Ref: Vegas 620 Velvet, 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.



Shirley* Technologies Limited. Registered Office: Wira House, West Park Ring Road, Leeds, LS16 6QL.
A company registered in England & Wales with company number 04609651. VAT Number GB 316764800.
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.

Fire Test Certificate – Specimen

Fabric: Empress
Type: M1

J&C Joel 
the inspiration behind the performance



**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° 19-00922 L

et 1 annexe de 10 pages

MATÉRIAU présenté par :

BRITISH VELVETS LTD

MARQUE COMMERCIALE : MONACO - 706.00Z

DESCRIPTION SOMMAIRE : Tissu velours 94% coton 6% modal ignifugé par foulardage
Masse surfacique mesurée : environ 650 g/m²
Epaisseur nominale : 2,9 mm
Coloris : divers

RAPPORT D'ESSAI : N° 19-00922 E1 V1 du 02 juillet 2019

NATURE DES ESSAIS : Brûleur électrique
Vieillessement 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 nettoyable à sec mais non lavable)

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 02 juillet 2019

Sophie Guinamand
Ingénieur Tests et Essais

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 – ARRÊTE DU 14 AVRIL 2000)
ENRQ2_10 v1 01/19

Fire Test Certificate – Specimen

Fabric: Empress
Type: M1

J&C Joel 
the inspiration behind the performance



This document is the translation of the French certificate n° 19-00922 L on the July, 2nd 2019 delivered by IFTH.

MATERIAL REACTION TO FIRE CLASSIFICATION
REPORT PREPARED IN COMPLIANCE WITH AMENDE 5 OF THE FRENCH HOME OFFICE
REGULATION DATED NOVEMBER 21ST, 2002 (OFFICIAL GAZETTE DATED DECEMBER 31, 2002)

Valid five years from issue date

CERTIFICATE N° 19-00922 L

And 1 appendice of 10 pages

MATERIAL presented by:

BRITISH VELVETS LTD
FARRINGTON PLACE (UNIT 1)
FARRINGTON ROAD (IND EST)
BB11 5TY BURNLEY LANCASHIRE
ROYAUME-UNI

TRADE NAME:

MONACO - 706.002

BRIEF DESCRIPTION:

Velvet 94% cotton 6% modal fireproofed by padding

Nominal thickness: 2.9 mm
Colours: various

TEST REPORT:

N° 19-00922 E11

TESTS:

Electrical burner test
Ageing in climatic room
Dry cleaning

CLASSIFICATION:

M 1

Classification valid for any application for which the product is not subjected to the CE marking of the Construction products

CLASSIFICATION DURATION (article 5 of appendix 2) : Unlimited in indoor use, shielded from external weather conditions (material no washable but suitable for dry cleaning)

given the criteria resulting from the tests described in the enclosed test report.
The classification indicated does not mean that materials marketed comply with the test samples and must not be considered as a qualification certificate as defined by French law dated March 14, 2016.

N.B.: Only integral copies of this document may be made by photocopying the classification report and/or the classification report and enclosed test report.

Issued in Lyon, France, on the July, 2nd 2019

Sophie Guinand
Engineer Tests and Trials

Olivier Pallas
Engineer Tests and Trials

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 – ARRÊTE DU 14 AVRIL 2000)
ENRQ_11_v101/19

Acoustic Test Report - Absorption

Absorption Class: A

Calculated to EN ISO 11654:1997

Fabric: Empress

Fullness: 50%

Cavity from Wall: 350mm



the inspiration behind the performance

Data Sheet 2

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

Client: J & C Joel Ltd

Test Date: 19/01/2019

Empty Room: **Temperature:** 17.0 °C **Humidity:** 46 %RH **Pressure:** 1002 mbar

Room with Sample: **Temperature:** 15.3 °C **Humidity:** 45 %RH **Pressure:** 1002 mbar

Sample Description: Empress - Single Layer - 50% fullness (Approx. weight 620g/m²) 350mm cavity from wall

Mounting Method: G - 350

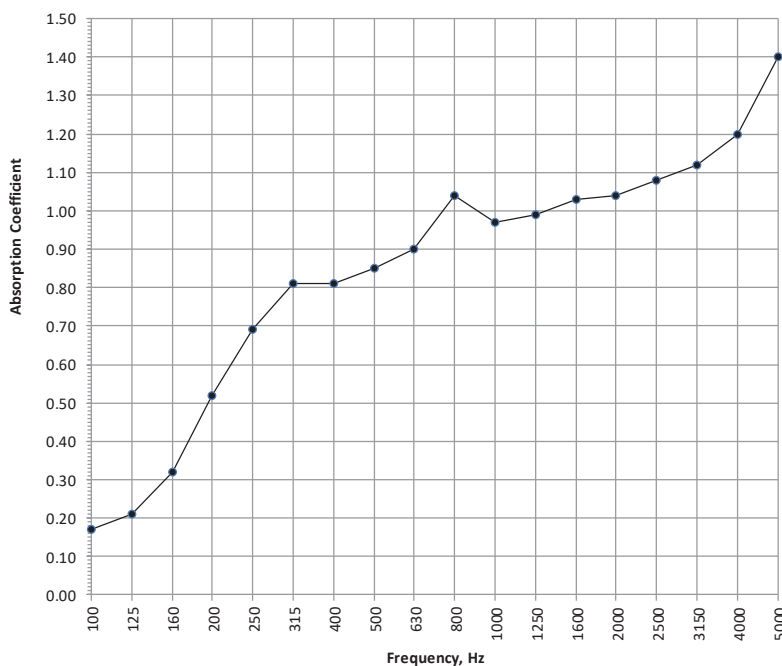
Sample Area: 9 m²

Chamber Volume: 300 m³

Test 3

Freq Hz	T1 sec	T2 sec	Absorp Coeff α _s	Practical Absorp Coeff #
50*	4.96	4.72	0.06	
63*	5.39	4.95	0.09	n/a
80*	7.08	6.19	0.11	
100	9.00	7.06	0.17	
125	7.30	5.70	0.21	0.25
160	6.60	4.75	0.32	
200	6.86	4.15	0.52	
250	7.22	3.77	0.69	0.65
315	6.99	3.42	0.81	
400	6.36	3.27	0.81	
500	5.64	3.00	0.85	0.85
630	5.09	2.77	0.90	
800	5.10	2.59	1.04	
1000	5.74	2.84	0.97	1.00
1250	5.63	2.78	0.99	
1600	5.18	2.60	1.03	
2000	4.76	2.46	1.04	1.00
2500	4.22	2.25	1.08	
3150	3.35	1.93	1.12	
4000	2.59	1.59	1.20	1.00
5000	2.04	1.28	1.40	
6300*	1.39	0.93	1.67	
8000*	1.14	0.81	1.58	n/a
10000*	0.80	0.60	1.82	

Sound Absorption Coefficient



α_w 0.90

Class A

Calculated to EN ISO 11654:1997

NRC 0.90

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

v5

Acoustic Test Report - Absorption

Absorption Class: A

Calculated to EN ISO 11654:1997

Fabric: Empress

Fullness: 100%

Cavity from Wall: 350mm



the inspiration behind the performance

Data Sheet 1

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

Client: J & C Joel Ltd

Test Date: 19/01/2019

Empty Room: **Temperature:** 17.0 °C **Humidity:** 46 %RH **Pressure:** 1002 mbar

Room with Sample: **Temperature:** 15.5 °C **Humidity:** 45 %RH **Pressure:** 1002 mbar

Sample Description: Empress - Single Layer - 100% fullness (Approx. weight 620g/m²) 350mm cavity from wall

Mounting Method: G - 350

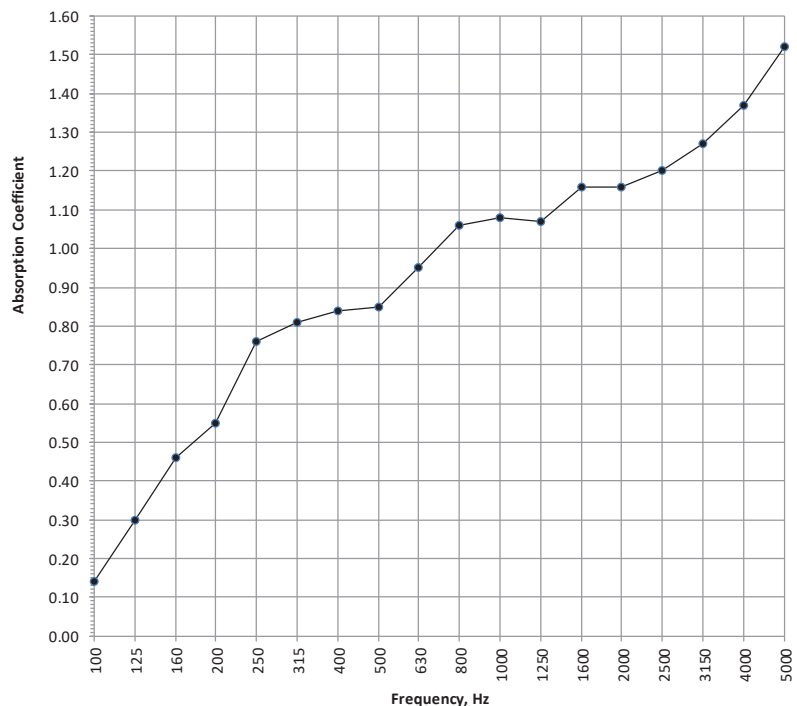
Sample Area: 9 m²

Chamber Volume: 300 m³

Test 2

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
50*	4.96	4.64	0.08	
63*	5.39	4.84	0.12	n/a
80*	7.08	6.20	0.11	
100	9.00	7.35	0.14	
125	7.30	5.23	0.30	0.30
160	6.60	4.23	0.46	
200	6.86	4.04	0.55	
250	7.22	3.60	0.76	0.70
315	6.99	3.43	0.81	
400	6.36	3.21	0.84	
500	5.64	3.01	0.85	0.90
630	5.09	2.70	0.95	
800	5.10	2.56	1.06	
1000	5.74	2.68	1.08	1.00
1250	5.63	2.67	1.07	
1600	5.18	2.45	1.16	
2000	4.76	2.34	1.16	1.00
2500	4.22	2.15	1.20	
3150	3.35	1.84	1.27	
4000	2.59	1.52	1.37	1.00
5000	2.04	1.25	1.52	
6300*	1.39	0.95	1.57	
8000*	1.14	0.80	1.70	n/a
10000*	0.80	0.60	1.86	

Sound Absorption Coefficient



α_w 0.95

Class A

Calculated to EN ISO 11654:1997

NRC 0.95

Calculated to ASTM C423-01

* 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

v5

J&C Joel

the inspiration behind the performance



J&C Joel United Kingdom - HQ
uksales@jcjoel.com



J&C Joel Europe
eusales@jcjoel.com



J&C Joel Middle East
uaesales@jcjoel.com



J&C Joel Vietnam
asiasales@jcjoel.com



J&C Joel Macau
asiasales@jcjoel.com



J&C Joel Hong Kong
asiasales@jcjoel.com