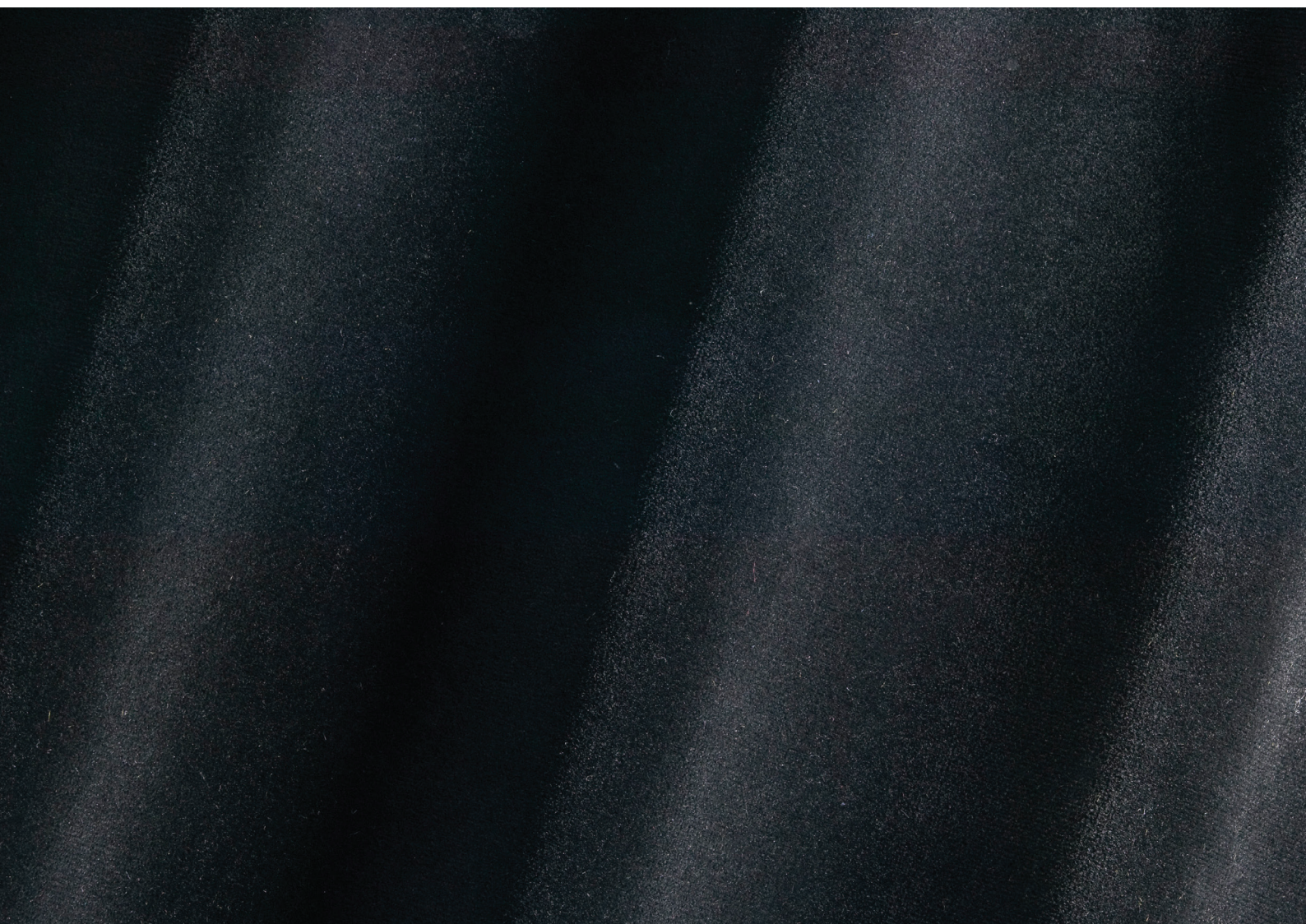


The Pennine Collection - Sowerby

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



J&C Joel 

the inspiration behind the performance

Contents

Composition & Care

140 cm	3
Fire Certificate	
BS5867 Part 2 Type B	4
M1	8
IMO	9
B1 & EN13773	19

Acoustic Test Report

50% Fullness	20
100% Fullness	21
Martindale Rub Test	22

TECHNICAL



NDFR

Non Durably Flame Retardant

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



DFR

Durably Flame Retardant

chemically treated to withstand a number of cleanings



IFR

Inherently Flame Retardant

woven from fibres with a high flame retardancy



FR

Flame Retardant

chemically treated to an individual specification



NOT FR

Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

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

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

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

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

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

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

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

ATTRIBUTES



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



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



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



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

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

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

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






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








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

Datasheet - Fabrics & Flooring

The Pennine Collection - Sowerby

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	IFR
	Fire Certification	BS5867, M1, B1, IMO, EN13773
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester Trevira
	Construction of Fabric	V Weave
Chemicals	Surface Treatments	Piece Dyed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	Information	Inherently Flame Retardant to BS5867 Part 2 Type B, M1, B1, IMO and EN13773. This means that the man-made fibres are flame retardant for life and if wet, would not need to be re-flameproofed. Therefore, the cloth will withstand wet cleaning but we would advise and suggest professional dry cleaning only, 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. 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		Martindale Rub Test, Abrasion Resistance: 100.000 (certificate available). Approx Pile Height: 2.7mm

						
Fire Rating: IFR	Approx Roll Length: 30m / 98ft	Width: 140cm / 55"	Weight: 550 g/m ²	Fire Certification: BS5867, M1, B1, IMO, EN13773	Colours Available	Fabric Thickness: 2.51 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: Pennine IFR Collection - Sowerby
Type: BS5867 Part 2 Type B

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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: 15 August 2017

Our Ref: 53651-46
Your Ref: -

Page: 1 of 4

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

Job Title: Surface Ignition Of Curtains & Drapes

Client's Order No: -

Date of Receipt: 16 June 2017

Date of Test Start: 29 June 2017

Description of Sample(s): One sample identified as follows was received for testing:
Pennine IFR Velvet, stated to be IFR

Work Requested: We were asked to make the following test:
BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds



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A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
The supply of all goods and services is subject to our standard terms of business, copies of which are available on request.
Our laboratories are accredited to EN ISO/IEC 17025.

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Fire Test Certificate – Specimen

Fabric: Pennine IFR Collection - Sowerby
Type: BS5867 Part 2 Type B

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TESTING • CERTIFICATION • AUDITING

J. & C. Joel Limited

Sample was identified as follows:

Pennine IFR Velvet, stated to be IFR

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: 15 August 2017

Our Ref: 53651-46
Your Ref: -

Page: 2 of 4

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

Testing as received.

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).

Pre-treatment

If the fabric is a pass in the 'as received' condition then the fabric is subjected a water soak procedure as specified in BS EN 1021: Annex D: 2006.

Testing after pre-treatment

Three specimens, after pre-treatment, from both length and width were tested following the procedure described above.

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.



1006

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Our laboratories are accredited to EN ISO/IEC 17025.

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Fire Test Certificate – Specimen

Fabric: Pennine IFR Collection - Sowerby
Type: BS5867 Part 2 Type B

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TESTING • CERTIFICATION • AUDITING

J. & C. Joel Limited

RESULTS

Sample Ref: Pennine IFR Velvet, stated to be IFR

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: 15 August 2017

Our Ref: 53651-46
Your Ref: -

Page: 3 of 4

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 in 'as received': Pass

Testing after pre-treatment

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 in 'after pre-treatment': Pass



1066

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Fire Test Certificate – Specimen

Fabric: Pennine IFR Collection - Sowerby
Type: BS5867 Part 2 Type B

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J. & C. Joel Limited

Conclusion

The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 (2015).

This 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 using in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2015). 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.

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: 15 August 2017

Our Ref: 53651-46
Your Ref: -

Page: 4 of 4



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Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: M1

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This document is the translation of the French certificate n° 15-0260 L on the 31st August, 2015 delivered by IFTH.

MATERIAL REACTION TO FIRE CLASSIFICATION REPORT

prepared in compliance with amended 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° 15-02630 L

And appendices of 6 pages

TRADE NAME :

7902 Lido CS+7811 Cheval CS+7815 Gerry CS+7778 Vellmar CS +
7840 Viola CS+7884 Apart CS T+7897 Bella CS+7810 Celine CS+
7901 Monaco CS+7773 Valentino CS+ 7864 Vicky CS T

BRIEF DESCRIPTION :

Velvet fabric made of 100% inherent flame retardant Trevira CS polyester fibers
Nominal surface weight : 270 to 630 g/m²
Nominal thickness : 1.2 to 1.9 mm
Colours : various

TEST REPORT :

N° 15-02630 _{EI-VI} on the 31st August, 2015

TESTS :

Electrical burner test
Flame persistence test
Dripping test

CLASSIFICATION :

M 1

CLASSIFICATION DURATION (appendix 2 of article 5): unlimited unless otherwise specified

given the criteria resulting from the tests described in the enclosed test report.

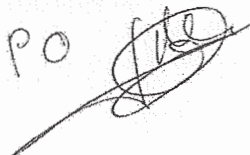
The classification indicated does not mean that materials marketed comply with the test samples and must not be considered as a qualification certificate as defined by French law dated June 3, 1994.

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 31st August, 2015

Director or empowered person

Bruno CHEVET



Direction Régionale Rhône-Alpes PACA
Avenue Guy de Collongue ● 69134 ECULLY CEDEX
Tél : (+33) (0)4 72 86 16 00 ● Fax : (+33) (0)4 78 43 39 66
SIRET 433 430 832 00017



ACCREDITATION
N° 1-0101*
PORTÉE
COMMUNIQUÉE
SUR DEMANDE

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)

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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DNV·GL

Certificate No:
MEDB00003E3

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Draperies, curtains and other suspended textile materials and films

with type designation(s)
Trevira CS

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. **MED/3.19. SOLAS 74 as amended, Regulation II-2/3, II-2/9 & X/3, 2000 HSC Code 7**
and **IMO 2010 FTP Code**

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-01-10**.

Issued at **Hamburg** on **2018-01-11**

DNV GL local station:
Magdeburg

Approval Engineer:
Timo Linn



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Form code: MED 201.DEU

Revision: 2016-12

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Page 1 of 3

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Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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Job Id: **344.1-007597-2**
Certificate No: **MEDB00003E3**

Product description

Trevira CS is a flame retardant 100% modified polyester upholstery fabric.

Max organic content: 100%
Colour: all colour variants
Density/mass per unit: 10 - 630 g/m²
Total thickness: 0.11 – 1.18 mm

The product may also be manufactured and distributed with the following product designations:

Article		Trevira CS Brand Approval No.
7897	Bella CS	122109
7810	Celine CS	150147
7811	Cheval CS	131932
7815	Gerry uni CS	171349
7900	Gismo CS	131708
7902	Lido CS	140812
7901	Monaco CS	131707
7773	Valentino CS	171546
7893	Vanilla CS T	131933
7756	Vara CS	131931
7764	Varese CS	171158
7778	Vellmar CS	150363
7857	Verl CS	152095
7864	Vicky CS T	160148
7809	Vila CS	150889
7840	Viola CS	150888
7871	Virginia CS T	152096
7887	Visé CS	171250
7862	Vitte CS	152097
7883	Kiev CS	131930
7896	Giovanni CS	130137
7822	Verena CS	171252
7903	Princess CS	171594

For further details see information under Type Examination Documentation.

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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Job Id: **344.1-007597-2**
Certificate No: **MEDB00003E3**

Application/Limitation

Considered suitable as vertical curtains. Other trade names than above is accepted provided the product is within the limitations given above for composition and density.

Each product is to be supplied with its manual for installation/application and maintenance.

Type Examination documentation

- Test Report No. T2014-1012 dated 27.01.2014 issued by EXOVA Warrington, Germany.
- Assessment letter according to the Test Report no. T2014-1012 dated 21.02.2014 issued by EXOVA Warrington, Germany

Tests carried out

Tested according to IMO-Resolution MSC.307(88)-(FTP-Code 2010), Annex 1 Part 7.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

SPECIMEN

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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EG-Konformitätserklärung

Hiermit bestätigen wir, dass die nachfolgend aufgeführte Ausrüstung die
Schiffsausrüstungsrichtlinie 2014/90/EU in der jeweils gültigen Fassung erfüllt.

Beschreibung der Ausrüstung: Gardinen, Vorhänge und andere hängende Textilwerkstoffe
Typ: Trevira CS

Diese Ausrüstung wurde auf Erfüllung
der folgenden Vorschrift und Prüfnorm
überprüft:

(EU) 2017/306, item No. MED/3.19.SOLAS 74 as amended,
Regulation II-2/3, II-2/9 & X/3, 2000 HSC Code 7 and
IMO 2010 FTP Code

Gemäß:

Baumusterprüfbescheinigung Nr.:
Ausgestellt von

MEDB00003E3 - Modul B, gültig bis 10.01.2023
DNV GL SE, DNV GL Hamburg, Germany

Überwachungszeugnis/Bericht Nr.:
Ausgestellt von

MEDD00001BM - Modul D, gültig bis 10.01.2023
DNV GL SE, DNV GL Hamburg, Germany


Das Produkt trägt folgende Kennzeichnung und Identifikation:

Steuerrad 0098 / 18 / USCG 164.111/EC0098/ MEDB00003E3

Eine technische Dokumentation für diese Ausrüstung wird an folgender Stelle aufbewahrt:

Spandauer Velours GmbH & Co. KG, Hartensteiner Straße 60, 09350 Lichtenstein - Assistentin der GF

16.01.18 / Frau Beate Ressel /
Datum / Name / Unterschrift / Firmenstempel



Kommanditgesellschaft
Sitz Lichtenstein
AG Chemnitz HR A 2224
Steuer-Nr. 221 / 163 / 03403

Persönlich haftende Gesellschaft
Spandauer Velours Verwaltungsgesellschaft mbH
Sitz Lichtenstein, AG Chemnitz HR B 9747
USt-Id-Nr.: DE 136654353

Geschäftsführer
Steffen Martin
Claas E. Daur

Sparkasse Chemnitz
IBAN DE04 8705 0000 0714 9907 44
BIC CHENDE33XXX

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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Das Produkt kann auch unter folgenden Artikelbezeichnungen hergestellt und vertrieben werden:

Artikel		Trevira CS- Markengenehmigungsnummer
7897	Bella CS	122109
7810	Celine CS	150147
7811	Cheval CS	131932
7815	Gerry uni CS	171349
7900	Gismo CS	131708
7902	Lido CS	140812
7901	Monaco CS	131707
7773	Valentino CS	171546
7893	Vanilla CS T	131933
7756	Vara CS	131931
7764	Varese CS	171158
7778	Vellmar CS	150363
7857	Verl CS	152095
7864	Vicky CS T	160148
7809	Vila CS	150889
7840	Viola CS	150888
7871	Virginia CS T	152096
7887	Visé CS	171250
7862	Vitte CS	152097
7883	Kiev CS	131930
7896	Giovanni CS	130137
7822	Verena CS	171252
7903	Princess CS	171594

Kommanditgesellschaft
Sitz Lichtenstein
AG Chemnitz HR A 2224
Steuer-Nr. 221 / 163 / 03403

Persönlich haftende Gesellschaft
Spandauer Velours Verwaltungsgesellschaft mbH
Sitz Lichtenstein, AG Chemnitz HR B 9747
USt-Id-Nr.: DE 136654353

Geschäftsführer
Steffen Martin
Claas E. Daun

Sparkasse Chemnitz
IBAN DE04 8705 0000 0714 9907 44
BIC CHECKDE33XXX

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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DNV GL

Certificate No:
MEDB00003E2

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Upholstered furniture

with type designation(s)
TREVIRA CS

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. **MED/3.20 and Annex B, Module B in the Directive SOLAS 74 as amended, Regulation II-2/3, II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code**

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-01-10**.

Issued at **Hamburg** on **2018-01-11**

DNV GL local station:
Magdeburg

Approval Engineer:
Timo Linn



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Form code: MED 201.DEU

Revision: 2016-12

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Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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Job Id: **344.1-007597-1**
Certificate No: **MEDB00003E2**

Product description

Trevira CS is a flame retardant 100% modified polyester upholstery fabric.

Max organic content: 100%

Colour: all colour variants

Density/mass per unit: 101 - 777 g/m²

Total thickness: 0.24 – 2.19 mm

The product may also be manufactured and distributed with the following product designations:

Article	Trevira CS Brand	Approval No.
7897	Bella CS	122109
7810	Celine CS	150147
7811	Cheval CS	131932
7815	Gerry uni CS	171349
7900	Gismo CS	131708
7902	Lido CS	140812
7901	Monaco CS	131707
7773	Valentino CS	171546
7893	Vanilla CS T	131933
7756	Vara CS	131931
7764	Varese CS	171158
7778	Vellmar CS	150363
7857	Verl CS	152095
7864	Vicky CS T	160148
7809	Vila CS	150889
7840	Viola CS	150888
7871	Virginia CS T	152096
7887	Visé CS	171250
7862	Vitte CS	152097
7883	Kiev CS	131930
7896	Giovanni CS	130137
7822	Verena CS	171252
7903	Princess CS	171594

For further details see information under Type Examination Documentation.

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO



the inspiration behind the performance

Job Id: **344.1-007597-1**
Certificate No: **MEDB00003E2**

Application/Limitation

Approved for use throughout the accommodation as upholstery fabric for upholstered furniture.

Approved with foam filling material type non-FR polyurethane foam of density 30 kg/m³.

The Foam must fulfil the requirements of the IMO-Resolution MSC.307(88)-(FTP-Code 2010) Annex1, Part 8.

Each product is to be supplied with its manual for installation/application and maintenance.

Type Examination documentation

Test Report No: T2014-1013-1 dated 24.01.2014 issued by EXOVA Warrington, Germany.

Tests carried out

Tested according to IMO-Resolution MSC.307(88)-(FTP-Code 2010), Annex 1, Part 8.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

J&C Joel 
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European Community's Declaration of Conformity

issued in accordance with the

Marine Equipment Directive (MED) 2014/90/EC

This is to certify that in compliance with the above mentioned directive on marine equipment

has been issued one „EC-Type Examination (Module B) Certificate“ by the European notified body DNV GL SE, Germany, EC Registration No. 0098.
The product Trevira CS conforms to the type as described in the DNV GL Type-Examination Certificate No. MEDB00003E2 - Module B, valid until 10.01.2023.

Product designation: Cover fabric for upholstered furniture
Product Type: Trevira CS
Testing based on: (EU) 2017/306, item No. MED/3.20 and Annex B, Module B in the Directive SOLAS 74 as amended, Regulation II-2/3, II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code
Issued by DNV GL SE, DNV GL Hamburg, Germany
EC Certificate of Conformity Quality System:
Certificate No.: MEDD00001BM – Modul D, gültig bis 10.01.2023
Issued by DNV GL SE, DNV GL Hamburg, Germany

Identification of the product: Wheelmark 0098 / 18 / USCG 164.144/EC0098/MEDB00003E2

A technical documentation for this equipment is kept for later reference at the following place:
Spandauer Velours GmbH & Co. KG, Hartensteiner Straße 60, 09350 Lichtenstein -
Management assistant

16.01.18/ Beate Ressel / 
Date / Name / Signature / Stamp

Position: Management assistant/Quality and Energy Management Representative of
Spandauer Velours GmbH & Co. KG

Kommanditgesellschaft
Sitz Lichtenstein
AG Chemnitz HR A 2224
Steuer-Nr. 221 / 163 / 03403

Persönlich haftende Gesellschaft
Spandauer Velours Verwaltungsgesellschaft mbH
Sitz Lichtenstein, AG Chemnitz HR B 9747
USt-Id-Nr. DE 136654333

Geschäftsführer
Steffen Martin
Claas E. Daun

Sparkasse Chemnitz
IBAN DE04 8705 0000 0714 9907 44
BIC CHENDE31XXX

Fire Test Certificate – Specimen

Fabric: The Pennine Collection - Sowerby
Type: IMO

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The product may also be manufactured and distributed under following article designations:

Article designation		Trevira CS Trademark Approval No.
7897	Bella CS	122109
7810	Celine CS	150147
7811	Cheval CS	131932
7815	Gerry uni CS	171349
7900	Gismo CS	131708
7902	Lido CS	140812
7901	Monaco CS	131707
7773	Valentino CS	171546
7893	Vanilla CS T	131933
7756	Vara CS	131931
7764	Varese CS	171158
7778	Vellmar CS	150363
7857	Verl CS	152095
7864	Vicky CS T	160148
7809	Vila CS	150889
7840	Viola CS	150888
7871	Virginia CS T	152096
7887	Visé CS	171250
7862	Vitte CS	152097
7883	Kiev CS	131930
7896	Giovanni CS	130137
7822	Verena CS	171252
7903	Princess CS	171594

Kommanditgesellschaft
Sitz Lichtenstein
AG Chemnitz HR A 2224
Steuer-Nr. 221 / 163 / 03403

Persönlich haftende Gesellschaft
Spandauer Velours Verwaltungsgesellschaft mbH
Sitz Lichtenstein, AG Chemnitz HR B 9747
UStJd.Nr. DE 1 26656353

Geschäftsführer
Steffen Martin
Claas E. Daun

Sparkasse Chemnitz
IBAN DE04 8705 0000 0714 9907 44
BIC CHECKDE81XXX

Fire Test Certificate – Specimen

Fabric: Pennine IFR Collection - Sowerby
Type: B1, EN13773

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Trevira
An Indorama Ventures Company

Approval of the Trademark Trevira CS®

Application No.: 181581
Date of issue: 22.01.2019
Valid until: 22.01.2024

End use: Drapes
Upholstery fabrics
Transportation sector
550
Square weight (g/m²):
According to customer specification
Composition of fabric: Polyester 100% Trevira CS

The tested article 7810 CELINE CS with application no. 181581 is granted approval for the trademark Trevira CS® for interior use. This article was tested according to DIN 4102 part 1, 6.2 and thus also meets the requirements for fire class DIN 4102-B1.

This article can meet the requirements according to California TB 117, section 1 - cover fabric.

The article was tested according to the French Standard NF P 92-503 (Brûleur électrique) and thus also meets the requirements for class M1 according to NF P 92-504, 92-505 and 92-507.

Thus meets also the requirements according to British Standard BS 5852 ignition source 0 (cigarette), ignition source 1 (match) and ignition source (crib 5) in conjunction with suitable combustion modified foams (at least 50 kg/m³). Thus meets the classification according to BS 7176 "Medium Hazard".

This article can meet the requirements according to California TB 133.

This article meets the requirements according to EN 1021 part 1+2 in conjunction with polyurethan foams with a density of more than 30 kg/m³.

This article will meet the requirements according to DIN 5510-2, flammability class S4, smoke development class SR2 and dripping class ST2.

This article will pass the requirements according to the motor vehicle safety standard CMVSS 302 and FMVSS 302 (flame spread < 100 mm/min). No flame spread.

The article was tested according to EN 1101 and thus also meets the requirements for class 1 according to EN 13773.

Trevira CS curtains meet the requirements of class 1 according to NEN 6065, Certificate TNO, No. 2002-CVB-R06268.

This article can also meet the requirements for the fire index BKZ 5.3 (BKZ = fire index, combustibility 5 = flame retardant, level of smoke emission 3 = low smoke emission) according to the Swiss standard SN 198898.

This article qualifies for class B-s1, d0 according to the European Standard EN 13501-1. Trevira CS has been approved by the DIBt with the General Building Inspectorate Approval, Approval No. Z-56.25-3573 dd. 24 April 2018.

This article can meet the requirements according to ÖNORM A 3800-1 part 1, class B1, fume formation class Q 1 and droplet formation class TR1.

Thus meets also the requirements according to ÖNORM B 3825 in conjunction with suitable combustion modified foams.

Trevira GmbH
(This document is valid without signature.)

Trevira GmbH, Trademark Service, Max-Fischer-Straße 11, 86399 Bobingen, Germany
E-Mail: trademark.service@trevira.com

Acoustic Test Report - Absorption

Absorption Class: A

Calculated to EN ISO 11654:1997

Fabric: The Pennine Collection - Sowerby

Fullness: 50%

Cavity from Wall: 350mm

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Data Sheet 6

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:** 15.4 °C **Humidity:** 44 %RH **Pressure:** 1002 mbar

Sample Description: Sowerby Velvet - Single Layer - 50% fullness (Approx. weight 550g/m2) 350mm cavity from wall

Mounting Method: G - 350

Sample Area: 9 m²

Chamber Volume: 300 m³

Test 7

Fre q Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
50*	4.96	4.76	0.05	
63*	5.39	5.00	0.08	n/a
80*	7.08	6.22	0.11	
100	9.00	7.29	0.14	
125	7.30	5.48	0.25	0.30
160	6.60	4.30	0.44	
200	6.86	3.81	0.63	
250	7.22	3.63	0.75	0.75
315	6.99	3.36	0.84	
400	6.36	3.20	0.85	
500	5.64	3.06	0.82	0.85
630	5.09	2.70	0.95	
800	5.10	2.64	1.00	
1000	5.74	2.78	1.01	1.00
1250	5.63	2.74	1.01	
1600	5.18	2.54	1.08	
2000	4.76	2.37	1.12	1.00
2500	4.22	2.19	1.14	
3150	3.35	1.85	1.23	
4000	2.59	1.55	1.27	1.00
5000	2.04	1.25	1.47	
6300*	1.39	0.92	1.68	
8000*	1.14	0.78	1.77	n/a
10000*	0.80	0.58	2.04	

α_w 0.95

Class A

Calculated to EN ISO 11654:1997

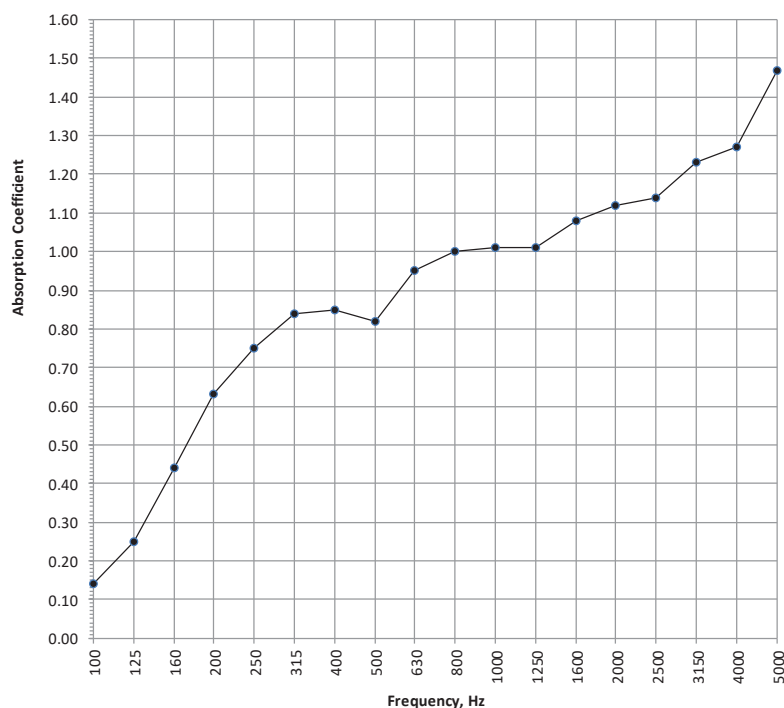
NRC 0.95

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

v5

Acoustic Test Report - Absorption

Absorption Class: A

Calculated to EN ISO 11654:1997

Fabric: The Pennine Collection - Sowerby

Fullness: 100%

Cavity from Wall: 350mm



the inspiration behind the performance

Data Sheet 5

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:** 44 %RH **Pressure:** 1002 mbar

Sample Description: Sowerby Velvet - Single Layer- 100% fullness (Approx. weight 550g/m2) 350mm cavity from wall

Mounting Method: G - 350

Sample Area: 9 m²

Chamber Volume: 300 m³

Test 6

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
50*	4.96	4.56	0.10	
63*	5.39	5.02	0.08	n/a
80*	7.08	6.02	0.14	
100	9.00	6.99	0.17	
125	7.30	5.52	0.24	0.30
160	6.60	4.31	0.44	
200	6.86	3.94	0.59	
250	7.22	3.71	0.71	0.70
315	6.99	3.44	0.81	
400	6.36	3.14	0.88	
500	5.64	2.88	0.93	0.90
630	5.09	2.74	0.92	
800	5.10	2.67	0.97	
1000	5.74	2.74	1.04	1.00
1250	5.63	2.62	1.10	
1600	5.18	2.49	1.12	
2000	4.76	2.35	1.14	1.00
2500	4.22	2.14	1.20	
3150	3.35	1.84	1.24	
4000	2.59	1.52	1.33	1.00
5000	2.04	1.27	1.39	
6300*	1.39	0.93	1.61	
8000*	1.14	0.78	1.75	n/a
10000*	0.80	0.58	2.02	

α_w 0.95

Class A

Calculated to EN ISO 11654:1997

NRC 0.95

Calculated to ASTM C423-01

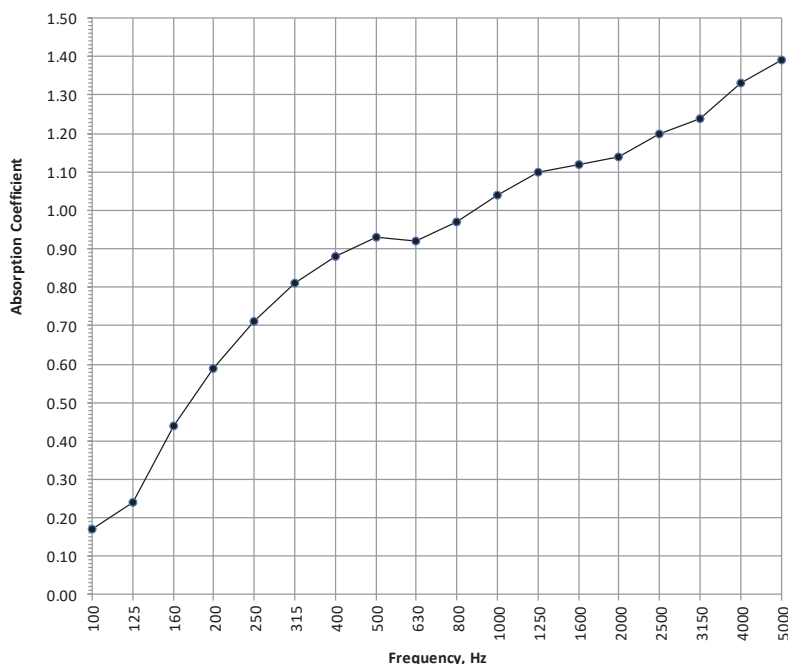
* Denotes frequencies outside the range covered

by BS EN ISO 354:2003

T1, empty room reverberation time

T2, room reverberation time with sample

Sound Absorption Coefficient



Practical absorption coefficient, BS EN ISO 11654:1997

v5

Martindale Rub Test

Fabric: Sowerby

J&C Joel 

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QS-PRÜFBOGEN TEST REPORT

Prüfbericht-Nr.
report number

2379

Datum
date

02.12.2020

Kunde
customer

J&C Joel

Kunden-Nr.
customer number

10650

Artikel-Nr.
product code

7810

Farb-Nr.
colour number

9016

Menge
quantity

Prüfart
type of test

Martindale DIN EN 12947 - 2

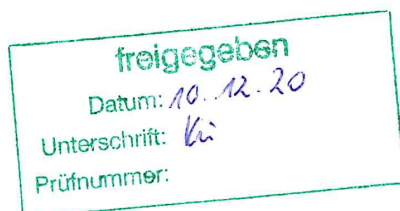
Ergebnis
result

100.000 Touren bestanden

Geprüft von
checked by

A.Oeser

Unterschrift
sign



J&C Joel

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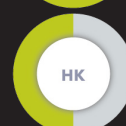
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