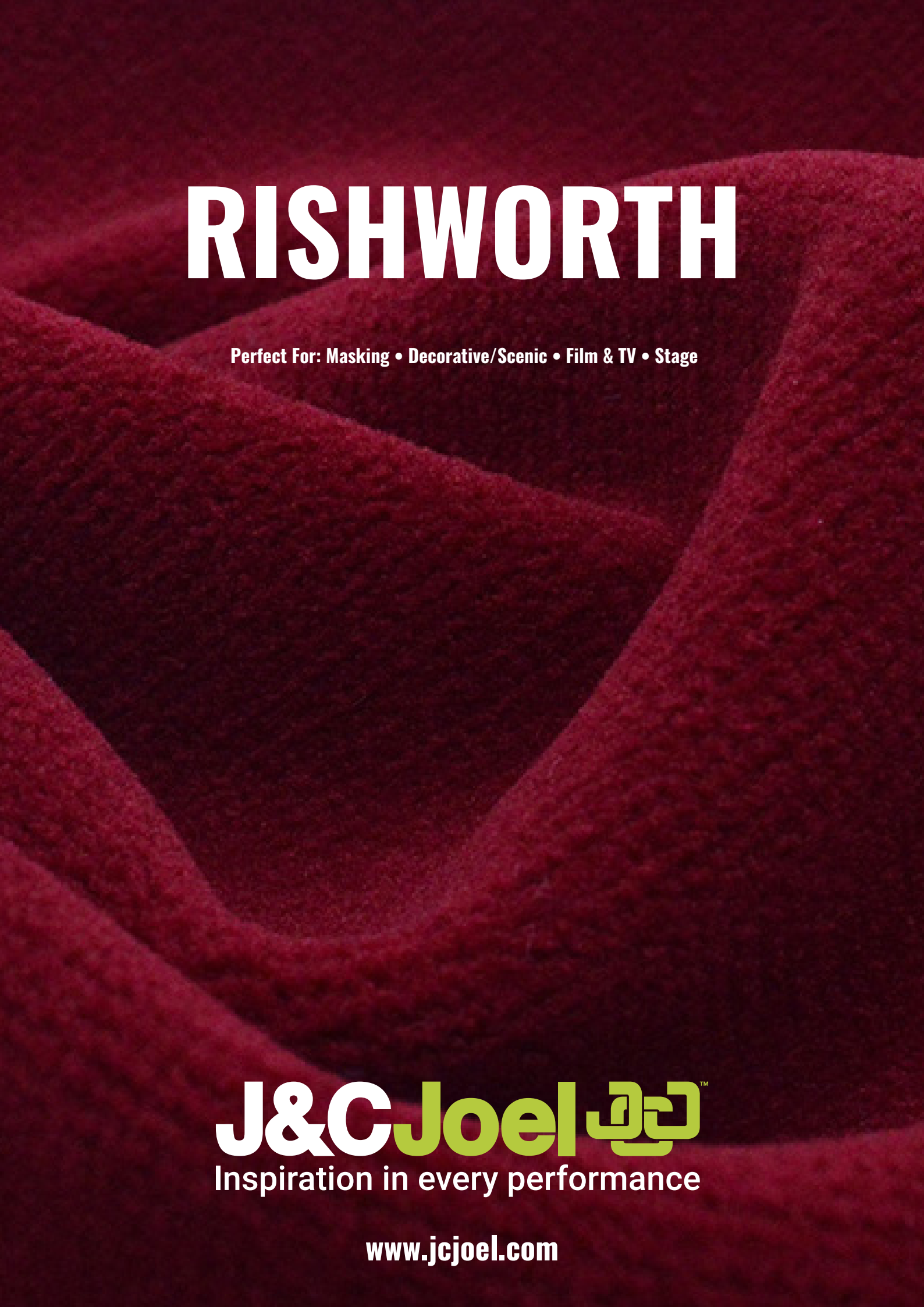

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Contents

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Composition and Care

140 cm 3

Fire Certificates

BS5867 Part 2 Type B 4
M1 8
B1 10
EN13773 12
EN13501-1 14
NFPA 701 16
IMO 18

Martindale Rub Test 21

TECHNICAL

NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated

DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings

IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy

FR
Flame Retardant
chemically treated to an individual specification

NOT FR
Not Flame Retardant no flame retardant treatment

Confirmation that the fabric meets one or more flame retardant standards

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

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

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

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

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

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

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

ATTRIBUTES

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

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

Approx weight in grams per metre squared (g/m^2)

Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

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

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

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

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

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

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Datasheet - Fabrics and Flooring

Rishworth

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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**	IFR
	Fire Certification	BS5867, B1, EN13501-1, M1, EN13773, NFPA 701, IMO
	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 EN13773, EN13501-1 and NFPA 701.. 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. Commerical flame retardents may alter the aesthetics, appearance, colour or performance of the textile material. This fabric is not pre-shrunk.
	Laundering Treatment	 Dry Clean Only · Do Not Wash · Do Not Bleach · Do Not Iron · Do Not Tumble Dry
Notes		Martindale Rub Test, Abrasion Resistance: 60.000 (certificate available). Approx Pile Height: 1.8mm

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

Fire Rating:	Approx Roll Length:	Width:	Weight:	Fire Certification:	Custom Dye Available:	Fabric Thickness:
IFR	30m / 98ft	140cm / 55”	370 g/m^2	BS5867, B1,IMO, EN13501-1, M1, EN13773, NFPA 701	Yes	1.64 mm

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: BS5867 Part 2 Type B

J&C Joel
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BTTG
TESTING • CERTIFICATION • AUDITING

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Leeds, LS16 6QL, UK.
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Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 15 August 2017

Our Ref: **53651-46**
Your Ref: -

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

SPECIMEN

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

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

Date: 15 August 2017

Our Ref: **53651-46**
Your Ref: -

J. & C. Joel Limited

Sample was identified as follows:

Pennine IFR Velvet, stated to be IFR

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.

SPECIMEN

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Date: 15 August 2017

Our Ref: **53651-46**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Pennine IFR Velvet, stated to be IFR

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, if the second 6 specimens all pass the result is a pass.

Result in `as received`: Pass

Testing after pre-treatment

	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, if the second 6 specimens all pass the result is a pass.

Result in `after pre-treatment`: Pass

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: BS5867 Part 2 Type B

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

Date: 15 August 2017

Our Ref: **53651-46**
Your Ref: -

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.

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: M1

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Institut Français du Textile et de l'Habillement

This document is the translation of the French certificate n° 25-01752-00 L delivered by IFTH on the August 7th 2025

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

Valid five years from issue date

CERTIFICATE N° 25-01752-00 L

And 1 Appendix of 8 pages

SPECIMEN

TRADE NAME:	7810 Celine CS - 7840 Viola CS - 7815 Gerry uni CS - 7773 Valentino CS - 7756 Vara CS
BRIEF DESCRIPTION:	Fabric 100 % inherent fire resistant polyester Trevira CS Nominal surface weight : 320 - 550 g/m² Measured thickness: About De 1.3 à/to 2.4 mm Colours : Various
TEST REPORT :	N° 25-01752-00 on the August 7th 2025
TESTS :	Electrical burner test Flame persistence test Dripping test
CLASSIFICATION	**M1**

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 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 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 August 7th 2025

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Tests and Trials Engineer

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: M1

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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° 25-01752-00 L
et 1 annexe(s) de 8 pages

MARQUE COMMERCIALE :	**7810 Celine CS - 7840 Viola CS - 7815 Gerry uni CS - 7773 Valentino CS - 7756 Vara CS**
DESCRIPTION SOMMAIRE :	**Tissu 100 % polyester Trevira CS ignifugé dans la masse** **Masse surfacique nominale : 320 - 550 g/m²** **Epaisseur mesurée : Environ De 1.3 à/to 2.4 mm** **Coloris : Divers**
RAPPORT D'ESSAI :	**N° 25-01752-00 du 07 août 2025**
NATURE DES ESSAIS :	**Brûleur électrique** **Propagation de flamme** **Essai pour matériaux fusibles**
CLASSEMENT :	**M1**

SPECIMEN

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 a priori.

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 07 août 2025

Julien TABONI
Ingénieur Tests et Essais

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: B1

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Approval of the Trademark Trevira CS®

SPECIMEN

Application No.:	**250653.1 / 250654 / 250655**
Date of issue:	17.12.2025
Valid until:	17.12.2030
Article name:	7840 Viola CS
Color:	various
End use:	Drapes Curtains Upholstery fabrics Wall coverings Transport sector
Square weight (g/m²):	370
According to customer specification	
Composition of the raw materials:	100% Polyester
Composition of the fabric:	100% Trevira CS

The collection "7840 Viola CS" is granted approval for the trademark Trevira CS® for interior use.

The approval of the collection is based on the trademark test results of application no.:
250653 col 2279 /250654 col 4248 / 250655 col 0010

These articles have been tested according to DIN 4102 part 1, 6.2 and thus also meet the requirements for fire class DIN 4102-B1.

INDORAMA VENTURES
Indispensable Chemistry

Sitz der Gesellschaft / registered office: Bobingen • Amtsgericht / Local Court: Augsburg HRB 24933
Geschäftsführer / Managing Directors: Klaus Holz (CEO), Sunil Baldi • Vorsitzender des Aufsichtsrats / Chairman Supervisory Board: Jochen Boos

Fire Test Certificate - Specimen

Fabric: Rishworth
Type: B1

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INDORAMA VENTURES

This collection 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.

This collection has been tested according to EN 1101 and thus also meets the requirements for class 1 according to EN 13773.

This collection meets the requirements according to EN 1021-1 and -2:2014 in conjunction with polyurethan foams with a density of more than 30 kg/m³.

This collection 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. 10 January 2024.

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

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

This collection 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 collection meets also the requirements for class 1 according to the Italian Standards UNI 8456 and UNI 8457.

This collection meets the requirements according to the Italian standard UNI 9175, class 1 IM in conjunction with suitable combustion modified foams.

This collection meets also the requirements according to British Standard BS 5867 part 2 type C.

This collection 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 collection meets the requirements according to the North American standard NFPA 701: 2010 Test Method #1 (based on the Test Reports Govmark, New York No. 2-94779, 2-94780, 2-94781).

This collection also meets the requirements for class I according to the North American standard NFPA 260 for upholstered furniture (based on the Test Reports no. 10-002-775 A + B dated 24.11.2010).

This collection can meet the requirements according to California TB 117-2013, section 1 - cover fabric.

SPECIMEN

Indorama Ventures Fibers Germany GmbH
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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: EN13773

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Approval of the Trademark Trevira CS®

SPECIMEN

Application No.:	**250653.1 / 250654 / 250655**
Date of issue:	17.12.2025
Valid until:	17.12.2030
Article name:	7840 Viola CS
Color:	various
End use:	Drapes Curtains Upholstery fabrics Wall coverings Transport sector
Square weight (g/m²):	370
According to customer specification	
Composition of the raw materials:	100% Polyester
Composition of the fabric:	100% Trevira CS

The collection "7840 Viola CS" is granted approval for the trademark Trevira CS® for interior use.

The approval of the collection is based on the trademark test results of application no.:
250653 col 2279 /250654 col 4248 / 250655 col 0010

These articles have been tested according to DIN 4102 part 1, 6.2 and thus also meet the requirements for fire class DIN 4102-B1.

INDORAMA VENTURES

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: EN13773

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INDORAMA VENTURES

This collection 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.

This collection has been tested according to EN 1101 and thus also meets the requirements for class 1 according to EN 13773.

This collection meets the requirements according to EN 1021-1 and -2:2014 in conjunction with polyurethan foams with a density of more than 30 kg/m³.

This collection 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. 10 January 2024.

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

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

This collection 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 collection meets also the requirements for class 1 according to the Italian Standards UNI 8456 and UNI 8457.

This collection meets the requirements according to the Italian standard UNI 9175, class 1 IM in conjunction with suitable combustion modified foams.

This collection meets also the requirements according to British Standard BS 5867 part 2 type C.

This collection 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 collection meets the requirements according to the North American standard NFPA 701: 2010 Test Method #1 (based on the Test Reports Govmark, New York No. 2-94779, 2-94780, 2-94781).

This collection also meets the requirements for class I according to the North American standard NFPA 260 for upholstered furniture (based on the Test Reports no. 10-002-775 A + B dated 24.11.2010).

This collection can meet the requirements according to California TB 117-2013, section 1 - cover fabric.

SPECIMEN

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: EN13501-1

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Approval of the Trademark Trevira CS®

SPECIMEN

Application No.:	**250653.1 / 250654 / 250655**
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Article name:	7840 Viola CS
Color:	various
End use:	Drapes Curtains Upholstery fabrics Wall coverings Transport sector
Square weight (g/m²):	370
According to customer specification	
Composition of the raw materials:	100% Polyester
Composition of the fabric:	100% Trevira CS

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The approval of the collection is based on the trademark test results of application no.:
250653 col 2279 /250654 col 4248 / 250655 col 0010

These articles have been tested according to DIN 4102 part 1, 6.2 and thus also meet the requirements for fire class DIN 4102-B1.

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: EN13501-1

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This collection 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.

This collection has been tested according to EN 1101 and thus also meets the requirements for class 1 according to EN 13773.

This collection meets the requirements according to EN 1021-1 and -2:2014 in conjunction with polyurethan foams with a density of more than 30 kg/m³.

This collection 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. 10 January 2024.

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

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

This collection 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 collection meets also the requirements for class 1 according to the Italian Standards UNI 8456 and UNI 8457.

This collection meets the requirements according to the Italian standard UNI 9175, class 1 IM in conjunction with suitable combustion modified foams.

This collection meets also the requirements according to British Standard BS 5867 part 2 type C.

This collection 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 collection meets the requirements according to the North American standard NFPA 701: 2010 Test Method #1 (based on the Test Reports Govmark, New York No. 2-94779, 2-94780, 2-94781).

This collection also meets the requirements for class I according to the North American standard NFPA 260 for upholstered furniture (based on the Test Reports no. 10-002-775 A + B dated 24.11.2010).

This collection can meet the requirements according to California TB 117-2013, section 1 - cover fabric.

SPECIMEN

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: NFPA 701

J&C Joel
Inspiration in every performance

Indorama Ventures Fibers Germany GmbH
Trademark Service
Max-Fischer-Str. 11
86399 Bobingen, Germany
trademarkservice.IVFG@de.indorama.net
Tel. +49 8234 9688 1673
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Approval of the Trademark Trevira CS®

SPECIMEN

Application No.:	**250653.1 / 250654 / 250655**
Date of issue:	17.12.2025
Valid until:	17.12.2030
Article name:	7840 Viola CS
Color:	various
End use:	Drapes Curtains Upholstery fabrics Wall coverings Transport sector
Square weight (g/m²):	370
According to customer specification	
Composition of the raw materials:	100% Polyester
Composition of the fabric:	100% Trevira CS

The collection "7840 Viola CS" is granted approval for the trademark Trevira CS® for interior use.

The approval of the collection is based on the trademark test results of application no.:
250653 col 2279 /250654 col 4248 / 250655 col 0010

These articles have been tested according to DIN 4102 part 1, 6.2 and thus also meet the requirements for fire class DIN 4102-B1.

INDORAMA VENTURES

Indispensable Chemistry

Sitz der Gesellschaft / registered office: Bobingen • Amtsgericht / Local Court: Augsburg HRB 24933
Geschäftsführer / Managing Directors: Klaus Holz (CEO), Sunil Baldi • Vorsitzender des Aufsichtsrats / Chairman Supervisory Board: Jochen Boos

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INDORAMA VENTURES

This collection 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.

This collection has been tested according to EN 1101 and thus also meets the requirements for class 1 according to EN 13773.

This collection meets the requirements according to EN 1021-1 and -2:2014 in conjunction with polyurethan foams with a density of more than 30 kg/m³.

This collection 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. 10 January 2024.

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

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

This collection 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 collection meets also the requirements for class 1 according to the Italian Standards UNI 8456 and UNI 8457.

This collection meets the requirements according to the Italian standard UNI 9175, class 1 IM in conjunction with suitable combustion modified foams.

This collection meets also the requirements according to British Standard BS 5867 part 2 type C.

This collection 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 collection meets the requirements according to the North American standard NFPA 701: 2010 Test Method #1 (based on the Test Reports Govmark, New York No. 2-94779, 2-94780, 2-94781).

This collection also meets the requirements for class I according to the North American standard NFPA 260 for upholstered furniture (based on the Test Reports no. 10-002-775 A + B dated 24.11.2010).

This collection can meet the requirements according to California TB 117-2013, section 1 - cover fabric.

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Indorama Ventures Fibers Germany GmbH
(This document is valid without signature.)

250653/654/655

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Fire Test Certificate - Specimen

Fabric: Rishworth
Type: IMO

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DNV

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003E3
Revision No:
4

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)
Maritime Collection Curtains

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2022/1157,**
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,IMO MSC.1/Circ.1456

SPECIMEN

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

This Certificate is valid until **2028-01-03.**

Issued at **Hamburg** on **2023-01-04**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV SE**

Digitally Signed By: Mydlak-Röder, Christine
Location: DNV GL SE Hamburg, Germany

Christine Mydlak-Roeder
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, and amended by Decision No 1/2018 dated February 18th, 2019.

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 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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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DNV

Job Id: **344.1-007597-14**
Certificate No: **MEDB00003E3**
Revision No: **4**

Product description
"Maritime Collection Curtains" is consisting of flame retardant Trevira CS yarn, modificated for polyester curtain fabric.

Max organic content: 100%
Colour: all colour variants
Density/mass per unit: 320 - 600 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.
7810	Celine CS	181581
7811	Cheval CS	200050/200051/200052
7815	Gerry uni CS	171349
7902	Lido CS	200047/200048/200049
7773	Valentino CS	200053/200054/200055
7756	Vara CS	191028/191030/200046
7764	Varese CS	171158/180506/171913
7778	Vellmar CS	150363
7857	Verl CS	181461
7864	Vicky CS T	160148
7809	Vila CS	150889
7840	Viola CS	150888
7871	Virginia CS T	181460
7887	Visé CS	171250
7862	Vitte CS	152097

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For further details see information under Type Examination Documentation.

Application/Limitation
Approved for use as draperies, curtains and other supported textile materials.

A verified sample book should be available from the manufacturer on request.

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

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DNV

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Certificate No: **MEDB00003E3**
Revision No: **4**

Type Examination documentation
Test Report No: 200404 dated 04.06.2020 issued by Warringtonfire Frankfurt GmbH, 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).

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Martindale Rub Test

Fabric: Rishworth

J&C Joel

Inspiration in every performance

QS-PRÜFBOGEN
TEST REPORT

Prüfbericht-Nr. report number	2376	**Datum** date	02.12.2020
Kunde customer	J&C Joel	**Kunden-Nr.** customer number	10650

Artikel-Nr.
product code: 7840

Farb-Nr.
colour number: 7104

Menge
quantity

Prüfart
type of test: Martindale DIN EN 12947 - 2

Ergebnis
result: 60.000 Touren bestanden

Geprüft von
checked by: A.Oeser

Unterschrift
sign

freigegeben
Datum: 10.12.20
Unterschrift: Ki
Prüfnummer:

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