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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

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Datasheet - Fabrics and Flooring

Mercury 3.0

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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, M1, EN13773, NFPA 701, IMO
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100& Polyester
	Construction of Fabric	Plain Weave
Chemicals	**Surface Treatments**	None
	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, M1, B1, NFPA 701, IMO and EN13773. This means that the man-made fibres are flame retardant for life and if wet, would not need to be re-flame proofed. Therefore, the cloth will withstand wet cleaning but we would advise and suggest professional dry cleaning only, using the correct chemical proccess. 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		

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



Fire Rating:	Approx Roll Length:	Width:	Weight:	Fire Certification:	Colour Available
IFR	30m / 98ft	300cm / 118”	255 g/m^2	BS5867, B1, EN13773, NFPA 701, M1	39

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: BS5867 Part 2 Type B

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FLAMMABILITY TEST REPORT

Report No.: LEI25050117A **Date Received:** 01/05/25 **Date Tested:** 12/05/25 **Date Issued:** 12/05/25
Original

Sample Details

Order No.:	P49817
Description:	
Ref. / Style No.:	6904 6905
Colour:	0001
Quality:	Not stated
Colour:	Not stated
Supplier:	Not stated
Batch No.:	P4871301
End Use:	Drapery
No. Of Samples:	1
Quoted Fibre Composition:	100% Polyester
Retailer:	Not stated
Buying Division:	Not stated
Sample Description:	White and black coloured woven fabric

SPECIMEN

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	50 Cycles of BS EN ISO 10528 (Standard Washing Procedure) @ 75°C and then high heat tumble dried.	Type C	PASS

~~STEVEN OWEN~~ ~~(Technical & Operational Excellence Manager)~~

ANDREW HALLETT (Flammability Team Leader)

~~CAROLE SPOWART~~ ~~(Flammability Administrator)~~

~~TREFOR LEE~~ ~~(Senior Flammability Technician)~~

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FLAMMABILITY TEST REPORT

Test Specification

Test Method:	BS 5867: Part 2: 2008 Type C using BS EN ISO 15025:2002 (With the modifications from clause 6.4 of BS 5867: Part 2: 2008).
Ignition Source:	25mm horizontal reach Propane gas flame
Ignition Type:	Surface
Flame Application Times:	5, 15, 20 & 30 Seconds
Sample Size:	200 x 160mm
Side Tested:	Face & Back

Uncertainty of Measurement
The uncertainty of measurement has been estimated to be 4.40%.

Pre-treatment / Durability procedure
50 Cycles of BS EN ISO 10528 (Standard Washing Procedure) @ 75°C and then high heat tumble dried.

Conditioning

Prior to Testing:	At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 65±5%
At Time of Testing:	Temperature between 10°C & 30°C. Relative humidity between 15% & 80%

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Fire Test Certificate - Specimen

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FLAMMABILITY TEST REPORT

Test Results

Report of tests carried out in accordance with BS EN ISO 15025:2002. The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Before wash

Sample No. / Direction	Afterflame (Secs)	Afterglow (Secs)	Combined Mean (Secs) Afterflame	Combined Mean (Secs) Afterglow	Flaming Debris	Flame to Edge	Hole to Edge
5 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
15 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
20 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
30 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No

After wash

Sample No. / Direction	Afterflame (Secs)	Afterglow (Secs)	Combined Mean (Secs) Afterflame	Combined Mean (Secs) Afterglow	Flaming Debris	Flame to Edge	Hole to Edge
5 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
15 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
20 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
30 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No

Conclusions

The sample when tested meet the requirements of BS 5867: Part 2: 2008 Type C. **PASS.**

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FLAMMABILITY TEST REPORT

The client acknowledges and agrees that any services provided and/or reports produced by Intertek are done so within the limits of the scope of work agreed pursuant to the client's specific instructions. This report relates specifically to the sample(s) tested that were drawn and delivered by the client or their nominated third party. Intertek does not make any representation or warranty for any bulk samples or certify the bulk samples received from the client. Furthermore, Intertek does not provide a warranty or verification on the sample(s) representing any specific goods, material and/or shipment and only relate to the sample(s) as received and tested. Intertek have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. In no event, will the contents of any reports or any extracts, excerpts or parts of any reports be distributed or published without the prior written consent of Intertek in each instance. Only the client is authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k = 2, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: BS5867 Part 2 Type C

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West Yorkshire Materials Testing Service
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TEST REPORT

Entry No:	76542
Date received:	17/06/2016
Client's Description:	Sample of fabric: Venus
Test Required:	Flammability BS 5867-2: Type C
Pre-treatment:	Tests were made both before and after 50 Washes in accordance with BS EN ISO 10528: 1995 standard wash procedure (Type A) at 75 Degrees C followed by line and press drying.
Conditioning:	A minimum of 24 hours at 65+/-5% Relative Humidity, 20+/-2°C
Date Tests Completed:	13/07/2016
Method of Test:	BS EN ISO 15025 : 2002 Procedure A (surface ignition)

The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Flame application times 5, 15, 20 and 30 seconds using propane gas

As Received

Both Face and back tested	**Fabric Length direction**		**Fabric Width direction**	
Specimen number	**Face 1 ↑**	**Back 2 ↓**	**Face 3 →**	**Back 4 ←**
Flame reached an edge (✓ or X)	**X**	**X**	**X**	**X**
Hole reached an edge (✓ or X)	**X**	**X**	**X**	**X**
Flaming debris (✓or X)	**X**	**X**	**X**	**X**
Duration of flaming (s)	0	0	0	0
Duration of afterglow (s)	0	0	0	0

----------End of Page----------

This is hereby certified to be a correct return of the tests made of the items referred to herein

Dale Brockbank
Materials Testing Manager
13 July 2016

- Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
- Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- Uncertainty budgets for test methods contained within this report are available on request.

This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.

ilac-MRA UKAS TESTING 1104

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West Yorkshire Materials Testing Service

Entry No: 76542

The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Flame application times 5, 15, 20 and 30 seconds using propane gas

After Washing

Both Face and back tested	Fabric Length direction		Fabric Width direction	
Specimen number	Face 1 ↑	Back 2 ↓	Face 3 →	Back 4 ←
Flame reached an edge (✓ or X)	X	X	X	X
Hole reached an edge (✓ or X)	X	X	X	X
Flaming debris (✓or X)	X	X	X	X
Duration of flaming (s)	0	0	0	0
Duration of afterglow (s)	0	0	0	0

Comments

On the basis of the tests carried out this sample of fabric meets the Type C requirements of BS 5867-2: 2008.

----------End of Document----------

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: M1

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

Valable 5 ans à compter du 24/07/2025

Selon l'arrêté du 21 novembre 2002 relatif à la réaction au feu des produits de construction et d'aménagement
Laboratoire agréé du Ministère de l'Intérieur (arrêté du 23/03/2010 modifiant l'arrêté du 05/02/1959 modifié)

Procès-verbal n° DO-25-7366\A-R1

Référence commerciale : 6904 6905

Description sommaire :
Tissu ignifugé dans la masse
Mode de fixation : Non applicable
Substrat : Sans substrat
Face exposée : Les deux faces
Application : Ameublement
Epaisseur nominale totale : 0,85 mm (déclarée par le client).
Masse surfacique : 0,255 kg/m² (déclarée par le client).
Coloris présentés : Rouge, bleu, noir.
Coloris validés : Tous.

Nature de l'essai : NF P 92-503 – Essai au brûleur électrique / NF P 92-504 – Essai de persistance / NF P 92-505 – Essai de goutte

Référence du rapport d'essai : DO-25-7366\A-R1 du 24/07/2025

Classement : **M1**

Durabilité du classement : Non limitée à priori
Compte tenu des critères résultants des essais décrits dans le rapport annexé.
Ce procès-verbal 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. 115-27 du code de la consommation et de la loi du 3 juin 1994.
Valable pour toute application pour laquelle le produit n'est pas soumis au marquage CE
Valable sur la face d'usage pour toute application non couverte par l'article AM18 du règlement ERP concernant les sièges rembourrés »

A Bruay-la-Buissière, le 24/07/2025

Contrôlé :
Signature électronique de la personne qui contrôle le rapport

Maxence WRIGHT

Ingénieur Praticien

Approuvé :
Signature électronique de la personne qui approuve le rapport

Skander KHELIFI

Responsable Technique

Document approuvé et signé électroniquement le **29/07/2025**

Les essais décrits dans ce rapport ont été réalisés sur le site du CREPIM Bruay-La-Buissière / The tests described in this report were carried out at the CREPIM Bruay-La-Buissière
Pour déclarer, ou non, la conformité à la spécification, il n'a pas été tenu explicitement compte de l'incertitude associée au résultat / Whether or not to declare compliance with the specification, the uncertainty associated with the result was not explicitly taken into account
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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: M1

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CLASSIFICATION REPORT FOR FIRE BEHAVIOUR OF A MATERIAL

Validity 5 years from 24/07/2025

According to the Decree of 21st of November 2002 on the reaction to fire performance of construction and furniture
Laboratory approved by Ministry of Interior (Decree of 23/03/2010 amending the decree of 05/02/1959 as amended)

In the event of a dispute, only the original French edition is authentic

English translation of attached official Procès-Verbal n° DO-25-7366\A-R1

Commercial reference : 6904 6905

Brief description :
Inherent flame-retardant fabric
Fixation method : Not applicable
Substrate : Without substrate
Exposed face : The both sides
Field of application: Furniture
Total nominal thickness: 0,85 mm (declared by sponsor).
Surface density: 0,255 kg/m (declared by sponsor).
Presented colors: Red, blue, black.
Validated colors: All.

Type of test : NF P 92-503 – Electric burner test / NF P 92-504 – Persistence test / NF P 92-505 – Drop test

Reference of test report : DO-25-7366\A-R1 dated on 24/07/2025

Classification : **M1**

Durability of classification : Not limited in theory.
Thanks to criteria resulting from tests described in the attached report.
This certificate attests only characteristics of the tested sample and does not prejudge characteristics of similar products. It is therefore not a product certification within the meaning of article L. 115-27 of the consumer code and the act of June 3, 1994.
Valid for applications not covered by EC marking
Valid on the face of use for any application not covered by article AM18 of the ERP regulation concerning the padded seats

Bruay-la-Buissière, 24/07/2025

Control :
Electronic Signature of the person checking the report

Maxence WRIGHT

Ingénieur Praticien

Approval :
Electronic Signature of the person approving the report

Skander KHELIFI

Responsable Technique

Document approved and signed electronically on **29/07/2025**

Les essais décrits dans ce rapport ont été réalisés sur le site du CREPIM Bruay-La-Buissière / The tests described in this report were carried out at the CREPIM Bruay-La-Buissière
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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: M1

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ACCREDITATION N°1-5860
Portée disponible sur / Scope on request @ www.cofrac.fr

Rapport N° / *Report N°* DO-25-7366\A-R1 émis le / *edited the* 24/07/2025

Résultats suivant / *Results according to* NF P 92-503 : 1995

Date de réception / *Reception date* :	16/06/2025
Date de l'essai / *Test date* :	10/07/2025
Responsable de l'essai / *Test officer* :	Mourad ALIOUA
Conditionnement / *Conditionning* :	23 ± 2°C, 50 ± 5% HR
Dimension des échantillons / *Samples dimensions* (mm) :	600 mm x 180 mm
Epaisseur / Thickness (mm) :	0,85 mm

L'accréditation du COFRAC atteste de la compétence des laboratoires pour les seuls essais couverts par l'accréditation / *COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation*

	Essai / Test 1	Essai / Test 2	Essai / Test 3	Essai / Test 4	Essai / Test 5	Essai / Test 6	Essai / Test 7	Essai / Test 8	Moyenne / Average
Couleur / Color	Bleu / Blue	Bleu / Blue	Bleu / Blue	Bleu / Blue	Rouge / Red	Rouge / Red	Noir / Black	Noir / Black	/
Face exposée / Exposed face	Endroit / Frontside	Envers / Backside	Endroit / Frontside	Envers / Backside	Endroit / Frontside	Endroit / Frontside	Endroit / Frontside	Endroit / Frontside	/
Sens / Direction	Chaîne / Warp	Chaîne / Warp	Trame / Weft	Trame / Weft	Chaîne / Warp	Chaîne / Warp	Chaîne / Warp	Chaîne / Warp	/
Masse de l'échantillon / Sample mass (g)	29,2	29	29,2	29,3	29,2	29,1	29,3	29,4	/
Durée maximale de l'inflammation / Maximal flame duration (s)	0	0	0	0	0	0	0	0	/
Points incandescents / Glowing spots?	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	/
Chute de gouttes / Dripping?	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	/
Gouttes enflammées / Flamming droplets?	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	/
Percement / Piercing	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	Oui/Yes	/
Distance détruite / Length destroyed (mm)	150	130	130	115	135	125	130	125	133
Largeur détruite / Width destroyed (mm)	0	0	0	0	0	0	0	0	0

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Observations / *Remarks* :	La détermination de la configuration la plus défavorable est réalisée sur le coloris intermédiaire bleu. La configuration la plus défavorable est Face Endroit / Sens Chaîne. Cette configuration est retenue pour la classification / *The most unfavorable configuration is determined on the blue intermediate color. The most unfavorable configuration is Frontside / Warp Direction. This configuration is used for classification.* La distance détruite n'est pas la conséquence d'un point en ignition avec effet de propagation, le produit se perce sans s'enflammer. Les essais complémentaires NF P 92-504 et NF P 92-505 doivent être réalisés / *The distance destroyed is not the consequence of an ignition point with a propagation effect, the product pierces without igniting. The additional tests NF P 92-504 and NF P 92-505 must be carried out*

L'attention est attirée sur le fait que les résultats obtenus avec l'échantillon objet du présent rapport d'essais ne sont pas généralisables sans justification de la représentativité des échantillons et essais. Le rapport d'essai ne concerne que l'objet soumis à l'essai. Ces résultats d'essais rendent compte du comportement des éprouvettes d'un matériau soumis à des conditions spécifiques d'essai, ils ne prétendent pas représenter le seul critère d'évaluation du danger potentiel de contribution à l'incendie que présente le produit dans les conditions d'utilisation. / *Attention is drawn to the fact that the results obtained with the sample that is the subject of this test report cannot be generalized without justification of the representativity of the samples and tests. The test report only concerns the object under test. These test results account for the behavior of specimens of a material subject to specific test conditions; they do not purport to represent the only criterion for assessing the potential fire hazard posed by the product under the conditions of use*

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: M1

J&C Joel
Inspiration in every performance

CREPIM
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SIRET 792 178 816 00015 / APE 7112B / T.V.A. FR85 792 178 816

ACCREDITATION N°1-5860
Portée disponible sur / Scope on request @ www.cofrac.fr

Rapport N° / *Report N°* émis le / *edited the* 24/07/2025

Résultats suivant / *Results according to* NF P 92-504 : 1995

Date de réception / *Reception date* :	16/06/2025
Date de l'essai / *Test date* :	10/07/2025
Responsable de l'essai / *Test officer* :	Mourad ALIOUA
Conditionnement / *Conditionning* :	23 ± 2°C, 50 ± 5% HR
Dimension des échantillons / *Samples dimensions* (mm) :	460 mm x 230 mm
Epaisseur / Thickness (mm) :	0.85 mm

L'accréditation du COFRAC atteste de la compétence des laboratoires pour les seuls essais couverts par l'accréditation / *COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation*

	Essai / Test 1	Essai / Test 2	Essai / Test 3	Essai / Test 4	Essai / Test 5	Essai / Test 6	Essai / Test 7	Essai / Test 8	Maximum
Couleur / Color	Bleu / Blue	Bleu / Blue	Bleu / Blue	Bleu / Blue	Rouge / Red	Rouge / Red	Noir / Black	Noir / Black	/
Face exposée / Exposed side	Endroit / Frontside	Envers / Backside	Endroit / Frontside	Envers / Backside	Endroit / Frontside	Endroit / Frontside	Endroit / Frontside	Endroit / Frontside	/
Sens / Direction	Chaîne / Warp	Chaîne / Warp	Trame / Weft	Trame / Weft	Chaîne / Warp	Chaîne / Warp	Chaîne / Warp	Chaîne / Warp	/
Nombre de persistances / Number of afterflaming	0	0	0	0	0	0	0	0	/
Persistance / Afterflaming (s)	0	0	0	0	0	0	0	0	0
Chute de gouttes / Dripping ?	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	/
Gouttes enflammées / Flaming drips ?	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	Non/No	/

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Observations / *Remarks* :	/

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ACCREDITATION N°1-5860
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Rapport N° / *Report N°* DO-25-7366\A-R1 émis le / *edited the* 24/07/2025

Résultats suivant / *Results according to* NF P 92-505 : 1995

Date de réception / *Reception date* :	16/06/2025
Date de l'essai / *Test date* :	10/07/2025
Responsable de l'essai / *Test officer* :	Mourad ALIOUA
Conditionnement / *Conditionning* :	23 ± 2°C, 50 ± 5% HR
Dimension des échantillons / *Samples dimensions* (mm) :	70 mm x 70 mm
Epaisseur / Thickness (mm) :	0,85 mm

L'accréditation du COFRAC atteste de la compétence des laboratoires pour les seuls essais couverts par l'accréditation / *COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation*

Echantillons	Couleur / Colour	Masse / Weight (g)	Epaisseur / Thickness (mm)	Nombre d'éprouvettes exposées / Number of samples exposed	Face exposée / Exposed side	Inflammation échantillon / Ignition of the sample	Temps d'inflammation de l'échantillon / Time to ignition (s)	Durée d'inflammation de l'échantillon / Duration of sustained flame (s)	Chute de gouttes / Dripping	Gouttes enflammées / Flaming drips	Inflammation de la ouate / Ignition of cotton wool
Echantillon / Sample 01	Bleu / Blue	2,5	1,7	2	Endroit / Frontside	Non / No	0	0	Oui / Yes	Non / No	Non / No
Echantillon / Sample 02	Bleu / Blue	2,6	1,7	2	Envers / Backside	Non / No	0	0	Oui / Yes	Non / No	Non / No
Echantillon / Sample 03	Rouge / Red	2,8	1,7	2	Endroit / Frontside	Non / No	0	0	Oui / Yes	Non / No	Non / No
Echantillon / Sample 04	Rouge / Red	2,6	1,7	2	Endroit / Frontsnde	Non / No	0	0	Oui / Yes	Non / No	Non / No
Echantillon / Sample 05	Noir / Black	2,7	1,7	2	Endroit / Frontside	Non / No	0	0	Oui / Yes	Non / No	Non / No
Echantillon / Sample 06	Noir / Black	2,6	1,7	2	Endroit / Frontside	Non / No	0	0	Oui / Yes	Non / No	Non / No

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Observations / *Remarks* :	/

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Fin du rapport / *End of report*

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: B1

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Hoch Fladungen

Test laboratory for the fire behavior of building materials
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT
PZ-Hoch-251400

for the proof of Fire behaviour according to DIN 4102, part 1
Translation of the German test report – no guarantee for translation of technical terms

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description of samples	3-layer fabric consisting of 100% Polyester FR colour. beige
name of the material	**„6904 6905 Venus"**
sampling	by the company itself
content of request	Proof of flammability to classify building materials to class B1 "schwerentflammbar" according to DIN 4102, part 1
validity of test report	31.10.2030
result	**The examined product meets the requirements of class B1 for "schwerentflammbare" (hardly flammable) building materials according to DIN 4102, part 1 (May 1998), suspended freely or with distance of >40 mm to same or other plain materials.**

This test report includes 4 pages and 3 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, Ziffer1, there is no need for a general building supervisory test report.
This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).
This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by:

- "allgemeine bauaufsichtliche Zulassung" (general building inspectorate approval) or by
- „allgemeines bauaufsichtliches Prüfzeugnis" (general building inspectorate certificate) or by
- "Zustimmung im Einzelfall" (exceptional approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for non-regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

member of egolf
notified body no.: 1508

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

DAkkS Deutsche Akkreditierungsstelle D-PL-11005-01-00

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1. Description of test material in condition as delivered

PN 42756: „6904 6905 Venus" colour: beige

- 3-layer fabric consisting of 100% Polyester FR -

The inner layer is black.

There is no difference between side A and side B.

characteristic values determined by the test laboratory:

area weight: about 244g/m² thickness: about 0,45mm

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

2. Preparation of samples

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

3. Arrangement of samples

mounting: freely suspended

#1014: flaming side B in weft direction
#1015: flaming side A in warp direction

4. Date of test

CW 45 in 2025

5. Results

The test has been examined according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen				Dim.
	Test number	#1014	#1015	---	---	
	flaming direction / side	weft / B	warp / A	---	---	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	---	---	
2	Maximum flame height above bottom edge of the specimen	30	30			cm
3	Time [1]	0:04	0:04	---	---	min:s
4	Burn through / melting Time [1]	0:04	0:04	---	---	min:s
5	Observations on the back side of the specimen Flames / Glowing	---	---	./.	./.	
	Time [1]	./.	./.	./.	./.	min:s
6	Change of colour Time [1]	--- ./.	--- ./.	./. ./.	./. ./.	min:s
7	Falling of burning droplets Start [1]	./. ./.	./. ./.	./. ./.	./. ./.	min:s
8	Extent sporadic falling of burning droplets [2]	./.	./.	./.	./.	
9	continuous falling of burning droplets [2]	./.	./.	./.	./.	min:s
10	Falling of burning droplets Start [1]	./.	./.	./.	./.	min:s
11	Extent sporadic falling of burning droplets [2]	./.	./.	./.	./.	
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	
13	After flame time at the bottom of the sieve (max.)	./.	./.	./.	./.	min:s

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Type: B1

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line no	Measurement	Result with the tested specimen				Dim.
	Test number	#1014	#1015	---	---	
	flaming direction / side	weft / B	warp / A	---	---	
14	Impairment of the burner by dropping or falling material: Time [1]	./.	./.	./.	./.	min:s
15	Final occurance of burning at the specimen [1]	./.	./.	./.	./.	min:s
16	Time of eventually end of test [1]	./.	./.	./.	./.	min:s
	After flame after end of test					
17	Time [1]	./.	./.	./.	./.	min:s
18	Number of specimen	./.	./.	./.	./.	
19	Front side of specimen [2]	./.	./.	./.	./.	
20	Back side of specimen [2]	./.	./.	./.	./.	
21	flame length	./.	./.	./.	./.	cm
	Afterglow after end of test	./.	./.	./.	./.	
22	Time [1]	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	
	Place of appearance	./.	./.	./.	./.	
24	Lower half of the specimen [2]	./.	./.	./.	./.	
25	Upper half of the specimen [2]	./.	./.	./.	./.	
26	Front side of specimen [2]	./.	./.	./.	./.	
27	Back side of specimen [2]	./.	./.	./.	./.	
	Density of smoke					
28	≤ 400 % * min	1	1	---	---	% * min
29	> 400 % * min [4]	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	1	2	---	---	
	Residual lengths: individual value [3]					
31	Specimen 1	60	56	---	---	cm
	Specimen 2	58	58	---	---	cm
	Specimen 3	56	66	---	---	cm
	Specimen 4	66	67	---	---	cm
32	Average value, individual test [3]	**60**	**62**	**---**	**---**	
33	Photo of specimen in enclosure no.	1	2	---	---	
34	Flue gas temperature	109	107	---	---	°C
35	Maximum of average value Time [1]	09:52	09:57	---	---	min:s
36	Diagram: encl. no.	1	2	---	---	
37	Remarks: - none -					

[1] indication of times: from the begin of testing procedure [2] checked off if applicable
[3] indication of carrier/foam layer separated in case of fire-proofing agents
[4] very strong development of smoke

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6. Explanations concerning the testing procedure

There were no additional tests proceeded because of the residual length of more than 45 cm.

7. Summary of results and additional establishments to Fire Behaviour

lineno.	measurement / test-no.	Result with the tested specimen				dimension
		#1014 weft / B	#1015 warp / A	---	---	
1	residual length	**60**	**62**	---	---	cm
2	max. smoke temperature	**109**	**107**	---	---	°C
3	density of smoke - integral	**1**	**1**	---	---	%min
4	remarks: -none-					

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

Pursuant to additional tests in the ignitability apparatus this can be determined (appendix 3).

8. Special remarks

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

9. Validity

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

Fladungen, 11.11.2025

clerk in charge:

(Dipl.-Ing. (FH) Jürgen Hammer)

ANERKANNTE PRÜF-, ÜBERWACHUNGS- UND ZERTIFIZIERUNGSSTELLE Hoch Fladungen

Head of the test laboratory:

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

End of report

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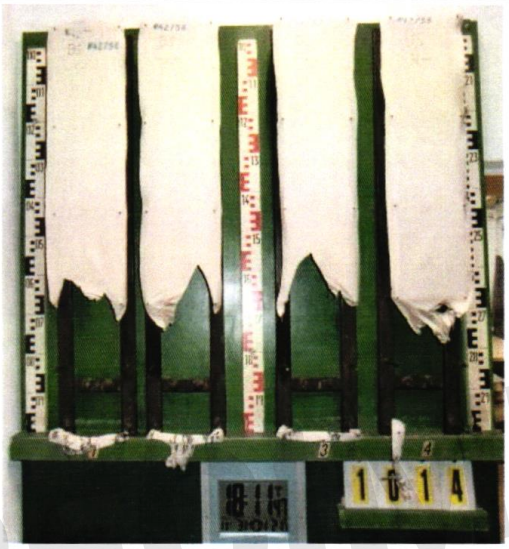
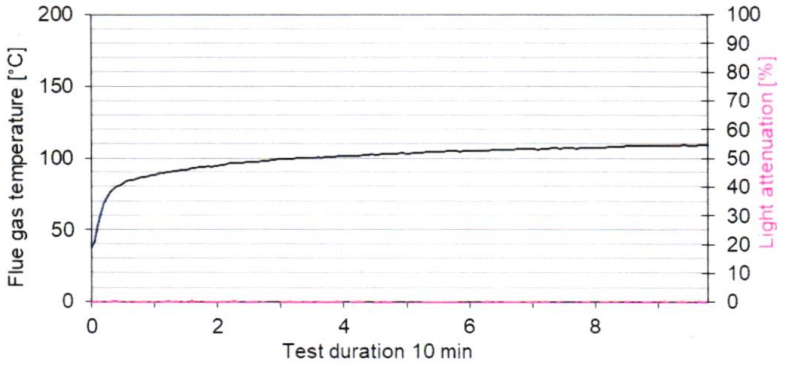
enclosure 1 test report
PZ-Hoch-251400

„Brandschacht"-test #1014



measurement

#1014, PN42756: B+S
Max. flue temperature: 109°C, Smoke density integral: 1%min
Residual length: 60 cm



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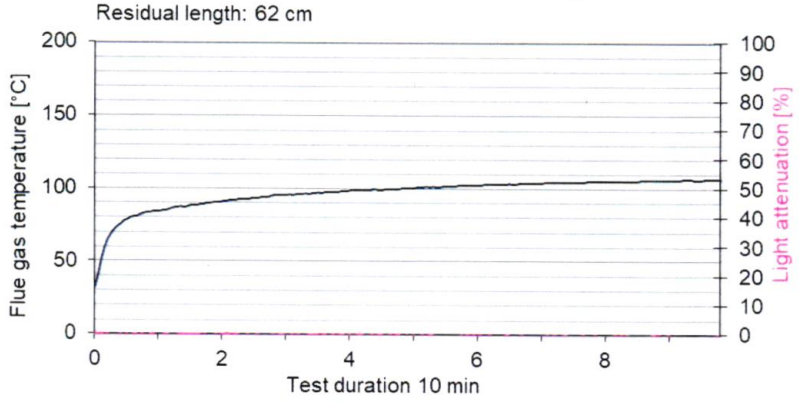
enclosure 2 test report
PZ-Hoch-251400

„Brandschacht"-test #1015



measurement

#1015, PN42756: A+K
Max. flue temperature: 107°C, Smoke density integral: 1%min
Residual length: 62 cm



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enclosure 3 to test report
PZ-Hoch-251400

Test for normal flammability
classifying B2 according to DIN 4102

1. Description of test material in condition as delivered look at page 2
2. Preparation of samples

   Out of the material there have been cut samples for the ignitability apparatus.
   The samples were kept in a climate 23/50 until they reached constant weight.
3. Arrangement of samples -freely suspended-

   Flaming in warp and weft direction / Flaming side A and side B
4. Date of test CW 44 in 2025
5. Results

PN 42756: flaming side A in warp	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1]	1	1	1	1	1	--	2	--	--	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	S
max. flame height	**5**	**6**	**5**	**7**	**5**	--	**4**	--	--	--	--	--	cm
time	6	4	4	7	4	--	7	--	--	--	--	--	
self cessation of the flames end of afterflame[1)]	10	5	8	10	5	--	10	--	--	--	--	--	s
end of glowing[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
smoke development (visual)	little						little						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
Appearance after test: burned out till max. height 6cm x width 2cm													

PN 42756: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
arrangement of samples side / direction	B/K	A/S	B/S	--	--	--	B/K	A/S	B/S	--	--	--	
ignition[1)]	1	1	1	--	--	--	2	2	2	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
max. flame height	**5**	**5**	**3**	**--**	**--**	**--**	**5**	**3**	**4**	--	--	--	cm
time	4	3	4	--	--	--	5	3	5	--	--	--	
self cessation of the flames end of afterflame[1)]	5	4	4	--	--	--	8	4	8	--	--	--	s
end of glowing[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
smoke development (visual)	little						little						
dropping of burning material during 20 s[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 6 cm x width 2 cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information
K: warp / S: weft

6. Remarks and explanations to the testing procedure - none –
7. Opinion concerning the dropping of burning material
   The test for normal flammability shows no burning dripping material.

End of enclosures

P06-04-FB05 eng Rev01

SPECIMEN

Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: EN13773

J&C Joel
Inspiration in every performance

ISO 17025 BELAC 056-TEST

Your notice of	Your reference	Date
16-07-2015	3469 - 3472	14-08-2015

Analysis Report 15.03466.03

Required tests :

EN 13773 (2003)

Identification number	Information given by the client	Date of receipt
T1512900		23-07-2015

SPECIMEN

Nathan De Kock

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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Reference: **T1512900 - BATCH P1484703**

Textiles – Burning behaviour – Curtains and drapes - Textile fabrics - Determination of the ignitability of vertically oriented specimens.

Date of ending the test	28-07-2015
Standard used	EN 1101 (1995) + A1 (2005)
Product standard	EN 13773 (2003)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Ignition	Bottom edge

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Length

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	1
5	0	1
10	0	1
15	0	1
20	0	5

The mean of the recorded times at which ignition was observed is calculated
No ignition within 20 s

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Width

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	1
5	0	1
10	0	1
15	0	1
20	0	5

The mean of the recorded times at which ignition was observed is calculated
No ignition within 20 s

SPECIMEN

Performed under accreditation in the fire lab under the responsibility of Nathan De Kock

Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: EN13773

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Reference: **T1512900 - BATCH P1484703**

Textiles and textile products – Burning behaviour – Curtains and drapes. Measurement of flame spread of vertically oriented specimens with large ignition source.

Date of ending the test	29-07-2015
Standard used	EN 13772 (2011)
Product standard	EN 13773 (2003)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Length

	Face A	Face B	Face A	Face A
Severance 220 mm thread	no	no	no	no
Severance 370 mm thread	no	no	no	no
Severance 520 mm thread	no	no	no	no
Time to sever 520 mm thread (s)	/	/	/	/
Destroyed length (mm)	130	125	125	130
Flaming debris	no	no	no	no

Width

	Face A	Face B	Face B	Face B
Severance 220 mm thread	no	no	no	no
Severance 370 mm thread	no	no	no	no
Severance 520 mm thread	no	no	no	no
Time to sever 520 mm thread (s)	/	/	/	/
Destroyed length (mm)	125	130	125	135
Flaming debris	no	no	no	no

Classification in accordance with EN 13773 Class 1

Performed under accreditation in the fire lab under the responsibility of Nathan De Kock

SPECIMEN

Reference: **T1512900 - BATCH P1484703**

Washing and drying

Date of ending the test	11-08-2015
Standard used	ISO 6330 (2000) + A1 (2008), ISO 6330 (2012)
Deviation from the standard	-
Apparatus	Wascator FOM 71 (type A)
Used detergent	ECE detergent (Type 3)
Washing method and temperature	5A- 40°C (2000)
Drying method	A = Line dry (2000)
Number of washing cycles	12
Mass of the test specimens	500 g

Sample generated: T1512900_01d

SPECIMEN

Performed under accreditation in the physical lab Ghent under the responsibility of Filip Ghekiere

Reference: **T1512900_01d - BATCH P1484703**

Textiles – Burning behaviour – Curtains and drapes - Textile fabrics - Determination of the ignitability of vertically oriented specimens.

Date of ending the test	13-08-2015
Standard used	EN 1101 (1995) + A1 (2005)
Product standard	EN 13773 (2003)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Ignition	Bottom edge

The test specimens have been cleaned.

Length

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	1
5	0	1
10	0	1
15	0	1
20	0	5

The mean of the recorded times at which ignition was observed is calculated
No ignition within 20 s

SPECIMEN

Width

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	2
5	1	1
6	0	1
7	0	1
8	0	1
9	0	2
10	1	2
11	1	1
12	0	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	5

SPECIMEN

The mean of the recorded times at which ignition was observed is calculated

The test requires at least five instances of ignition and five instances of non-ignition. Because less than 5 instances of ignition have been measured, and taking into account §12 of ISO 6940, a 'non-ignition' for this test is recorded

Performed under accreditation in the fire lab under the responsibility of Nathan De Kock

Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: EN13773

J&C Joel
Inspiration in every performance

Reference: **T1512900_01d - BATCH P1484703**

Textiles and textile products – Burning behaviour – Curtains and drapes. Measurement of flame spread of vertically oriented specimens with large ignition source.

Date of ending the test	13-08-2015
Standard used	EN 13772 (2011)
Product standard	EN 13773 (2003)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%

The test specimens have been cleaned.

Length

	Face A	Face B	Face A	Face A
Severance 220 mm thread	no	no	no	no
Severance 370 mm thread	no	no	no	no
Severance 520 mm thread	no	no	no	no
Time to sever 520 mm thread (s)	/	/	/	/
Destroyed length (mm)	145	130	135	130
Flaming debris	no	no	no	no

Width

	Face A	Face B	Face B	Face B
Severance 220 mm thread	no	no	no	no
Severance 370 mm thread	no	no	no	no
Severance 520 mm thread	no	no	no	no
Time to sever 520 mm thread (s)	/	/	/	/
Destroyed length (mm)	130	145	135	130
Flaming debris	no	no	no	no

Classification in accordance with EN 13773 Class 1

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: NFPA 701

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www.diversifiedtestinglabs.com

August 26, 2026

Reference: Laboratory Test Report
Lab Identification No. 69338
Invoice No. 100597

Dear Mr. Topen:

One (1) fabric sample, identified as **6904 6905 Venus,** was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2023 Edition, (Test 2, Folds Configuration)". The results are as follows:

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Test Results

Specimen Number	After Flame (sec)	Residual Flame (sec)	Char Length (in)
1	0.0	0.0	10.2
2	0.0	0.0	10.5
3	0.0	0.0	11.0
4	0.0	0.0	12.1

The fabric sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

Sincerely,

Brian S. Dement

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: IMO

J&C Joel
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Test Certificate 137329-1

Report Details					
Date Received:	11/05/2026	**Date Tested:**	15/05/2026	**Date Issued:**	20/05/2026
Service Requested:	IMO FTP Code Annex 1 Part 7: 2010				

Sample Details – As Supplied by the Customer			
Sample Description:	6904 6905 VENUS		
Fabric Composition:	100% POLYESTER	**Coating Quantity:**	UNKNOWN
Quality/Batch Ref:	P5079001	**FR Treatment Method:**	UNKNOWN
Model Ref:	NOT STATED	**Fabric Density:**	UNKNOWN
Sample Colour:	NOT STATED	**Fabric Thickness:**	UNKNOWN
Sample End Use:	DRAPERY	**Yarn Count:**	UNKNOWN
Manufacturer:	NOT STATED	**Threads per Count:**	UNKNOWN
Supplier/Buyer	NOT STATED	**Mass per Unit:**	UNKNOWN

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Test Details	
Specification:	IMO FTP Code Annex 1, Part 7: 2010 – Test for Vertically supported textiles and films
Pre-treatment:	The sample under test had not been subjected to any accelerated laundering procedure prior to testing. The samples had been tested in their as received state as requested by the customer.
Conditioning:	The sample under test had been conditioned in a specified atmosphere at 20 ± 5^{0}C and 65 ± 5% r h for a minimum of 24 hours. Testing had been carried out in a draught-free environment having a temperature of 10°C - 30°C and a relative humidity of 15%rh – 80% rh.
Deviation:	This test has been carried out with a deviation to the technical specification of the test enclosure. The test enclosure used in testing falls outside the specification requirements of section 4.5. All measurement parameters are within the specified tolerances of the test procedure and therefore this deviation has been deemed to have a negligible effect on any result produced.
Overall Result:	**PASS**

Authorised by:

J Furnival

John Furnival
Accounts & Process Manager

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked* are compared with the 'acceptance interval" which is determined by reducing the specification limits by the expanded test uncertainty Uk=2 (approximately 95% confidence interval). And providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is ≤2.5%. Results outside these limits are declared as 'fail'. All test results issued on this report refer only to the item under test as supplied by the customer. This certificate shall not be reproduced, unless in its entirety, without written approval from IFS Laboratories Ltd. Textile Innovation House, 1 Lyons Road, Trafford Park, Manchester, M17 1RN T: 0161 50 50 650 E: technical@ifs-labs.com

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Fire Test Certificate - Specimen

Fabric: Mercury 3.0
Type: IMO

J&C Joel
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IFS Laboratories Limited

Test Certificate 137329-1

Test Results:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Test Results (Warp) – Front fabric Application Time (as determined by pre-testing):	**Unit**	**1** 15s FACE	**2** 15s FACE	**3** 15s FACE	**4** 15s FACE	**5** 15s FACE
*After Flame time:	Sec	0.0	0.0	0.0	0.0	0.0
Flame reached an edge:	Y/N	NO	NO	NO	NO	NO
*Charred Length:	mm	96	93	109	114	93
Ignition of Cotton Wool:	Y/N	NO	NO	NO	NO	NO
Occurrence of surface flash:	Y/N	NO	NO	NO	NO	NO
Average Damage Length:	mm	101				
Specimen Result:	P/F	**PASS**	**PASS**	**PASS**	**PASS**	**PASS**

Test Results (Weft) – Front fabric Application Time (as determined by pre-testing):	**Unit**	**1** 15s FACE	**2** 15s FACE	**3** 15s FACE	**4** 15s FACE	**5** 15s FACE
*After Flame time:	Sec	0.0	0.0	0.0	0.0	0.0
Flame reached an edge:	Y/N	NO	NO	NO	NO	NO
*Charred Length:	mm	99	105	94	108	102
Ignition of Cotton Wool:	Y/N	NO	NO	NO	NO	NO
Occurrence of surface flash:	Y/N	NO	NO	NO	NO	NO
Average Damage Length:	mm	101.6				
Specimen Result:	P/F	**PASS**	**PASS**	**PASS**	**PASS**	**PASS**

SPECIMEN

Pass/Fail Criteria:

*after flame time ≤5s for any specimen (Surface Test only)
*no flame propagation to the edges for any specimen.
*no ignition of the cotton wool for any specimen.
*average char length ≤ 150mm.
*no occurrence of surface flash more than 100mm from the point of ignition

Conclusion:

The sample under test **meets** the performance criteria as stated in paragraph 3 of IMO FTP Code Annex 1 Part 7: 2010, with a deviation as stated on page 1 of this certificate.

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked* are compared with the 'acceptance interval" which is determined by reducing the specification limits by the expanded test uncertainty Uk=2 (approximately 95% confidence interval). And providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is ≤2.5%. Results outside these limits are declared as 'fail'. All test results issued on this report refer only to the item under test as supplied by the customer. This certificate shall not be reproduced, unless in its entirety, without written approval from IFS Laboratories Ltd. Textile Innovation House, 1 Lyons Road, Trafford Park, Manchester, M17 1RN T: 0161 50 50 650 E: technical@ifs-labs.com

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