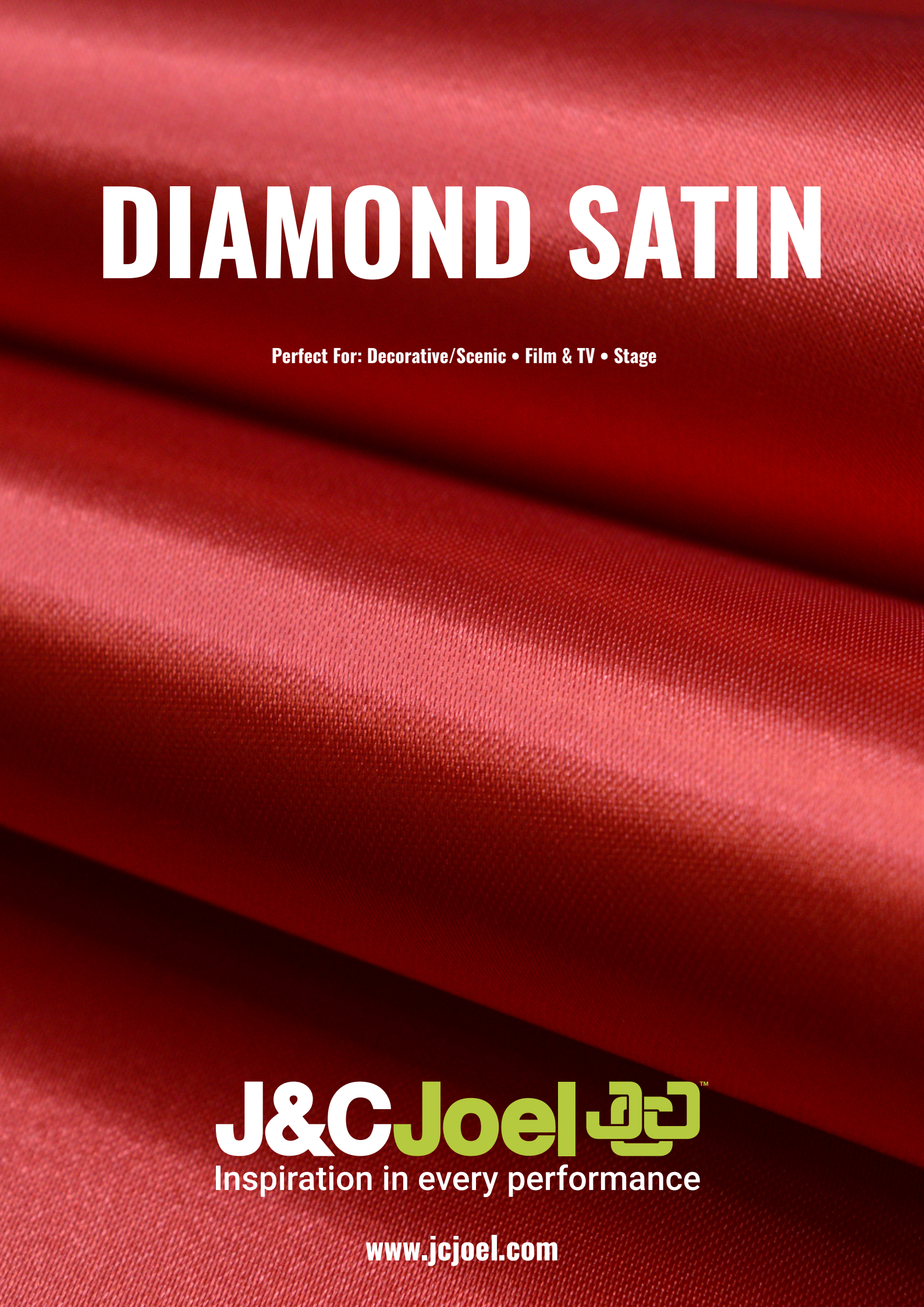
DIAMOND SATIN
Perfect For: Decorative/Scenic • Film & TV • Stage
J&C Joel
Inspiration in every performance
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Contents

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Composition and Care

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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

Diamond Satin

J&C Joel
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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**	FR
	Fire Certification	BS5867, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester FR
	Construction of Fabric	Satin Weave
Chemicals	**Surface Treatments**	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**	Flame Retardant. This means the fabric is chemically treated to meet the flammability requirements of BS5867 Part 2 Type B and EN13501-1. This fabric is not pre-shrunk.
	Laundering Treatment	
Notes		

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



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Fire Test Certificate - Specimen

Fabric: Diamond Satin
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: **53651-1**
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: Diamond Satin FR
Work Requested:	We were asked to make the following test: BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

SPECIMEN

1066

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A company registered in England & Wales with company number 04669651. VAT Number GB 816764800.
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Our laboratories are accredited to EN ISO/IEC 17025.

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Fire Test Certificate - Specimen

Fabric: Diamond Satin
Type: BS5867 Part 2 Type B

J&C Joel
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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: **53651-1**
Your Ref: -

J. & C. Joel Limited

Sample was identified as follows:

Diamond Satin FR

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.

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Fire Test Certificate - Specimen

Fabric: Diamond Satin
Type: BS5867 Part 2 Type B

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Website: www.bttg.co.uk

Date: 15 August 2017

Our Ref: **53651-1**
Your Ref: -

J. & C. Joel Limited

RESULTS

Sample Ref: Diamond Satin FR

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: Diamond Satin
Type: BS5867 Part 2 Type B

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Date: 15 August 2017

Our Ref: **53651-1**
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: Diamond Satin
Type: EN13501-1

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PAVUS, a.s.
AUTHORIZED BODY AB 216
NOTIFIED BODY 1391
ACCREDITED CERTIFICATION BODY FOR PRODUCT CERTIFICATION No. 3041

PAVUS®
FIRE TESTING INSTITUTE

Address:
Prosecká 412/74, 190 00 Prague 9 – Prosek
Phone: 286 019 587, E-mail: mail@pavus.cz
http://www.pavus.cz

Branch:
Fire testing laboratory Veselí nad Lužnicí
Čtvrť J. Hybeše 879, 391 81 Veselí nad Lužnicí
Phone: 381 477 418, E-mail: vesely@pavus.cz

REACTION TO FIRE CLASSIFICATION REPORT

The object of classification:	*Construction products excluding floorings and linear pipe thermal insulation products in accordance with EN 13501-1:2018, clause 11*
Report No:	***PK1-01-23-041-E-0***
Type and product name:	Textile *PES FR Satin*
Sponsor:	
Issuing organization:	*PAVUS, a.s.* *Accredited certification body for products No 3041* *– Accreditation issued by Czech Accreditation Institute, Public Service Company* *– Certificate of Accreditation No. 588/2022* *Prosecká 412/74* *190 00 PRAHA 9* *Czech Republic*
Date of issue:	*2023-06-27*
Copies in total:	*2*
Copy number:	*1*
Pages in total:	*4*

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1 INTRODUCTION

1.1 This classification report defines the classification assigned to *PES FR Satin Kristall Art. No. 571070 *** / 0085* in accordance with the procedures given in EN 13501-1:2018.

1.2 This classification report has 4 pages and it can be used or reproduced as a whole only.

2 DETAILED INFORMATION ON THE PRODUCT TO BE CLASSIFIED

2.1 General

The product *PES FR Satin Kristall Art. No. 571070 *** / 0085* is made by the company PONGS GROUP GmbH & Co. KG, Bahnhofstraße 21, 07919 Pausa - Mühltroff, Deutschland. It is used free-hanging, intended for cladding of walls and ceilings, promotional materials, banners, decoration, fairs etc.

2.2 Product description

Thickness:	0.14÷0.15 mm
Mass per unit area:	84÷85 g/m²
Colour:	various, tested *PES FR Satin* *PES* *FR Satin* *PES FR Satin*
Composition:	44.5 % PES FR (polyester) + 55.5 % PES (polyester)

3 REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1 Reports

Name of the Laboratory Address Accreditation number:	Name of sponsor of the Test Report	Report number Date of issue	Test method
PAVUS, a. s. Veselí nad Lužnicí ATL No 1026		*Pr-23-1.105 2023-06-27*	*EN 13823:2020+A1:2022*
		Pr-23-1.106 2023-06-27 *Pr-23-1.109 2023-06-27* *Pr-23-1.110 2023-06-27*	*EN ISO 11925–2:2020*

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3.2 Results

Test method	Parameter	Number of tests	Results	
			Continuous parameter-mean	Compliance with parameters
PES FR				
EN 13823+A1	*$FIGRA_{0.2\ MJ}$ (W/s)* *THR_{600s} (MJ)* *LFS < edge of specimen* *SMOGRA (m^2/s^2)* *TSP_{600s} (m^2)* *non-occurring of flaming droplets/particles*	3	*0.0* *0.1* *-* *0.0* *11.8* *-*	*≤ 120 (B)* *≤ 7.5 (B)* *yes (B)* *≤ 30 (s1)* *≤ 50 (s1)* *yes (d0)*
EN ISO 11925 - 2 *Surface exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*
EN ISO 11925 - 2 *Edge exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*
PES FR Satin				
EN 13823+A1	*$FIGRA_{0.2\ MJ}$ (W/s)* *THR_{600s} (MJ)* *LFS < edge of specimen* *SMOGRA (m^2/s^2)* *TSP_{600s} (m^2)* *non-occurring of flaming droplets/particles*	1	*0.0* *0.0* *-* *0.0* *15.5* *-*	*≤ 120 (B)* *≤ 7.5 (B)* *yes (B)* *≤ 30 (s1)* *≤ 50 (s1)* *yes (d0)*
EN ISO 11925 - 2 *Surface exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*
EN ISO 11925 - 2 *Edge exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*
PES FR Satin				
EN 13823+A1	*$FIGRA_{0.2\ MJ}$ (W/s)* *THR_{600s} (MJ)* *LFS < edge of specimen* *SMOGRA (m^2/s^2)* *TSP_{600s} (m^2)* *non-occurring of flaming droplets/particles*	1	*0.0* *0.2* *-* *0.0* *14.2* *-*	*≤ 120 (B)* *≤ 7.5 (B)* *yes (B)* *≤ 30 (s1)* *≤ 50 (s1)* *yes (d0)*
EN ISO 11925 - 2 *Surface exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*
EN ISO 11925 - 2 *Edge exposure*	*Fs ≤ 150 mm up to 60 s* *Filter paper non-ignition*	6	*-* *-*	*yes (B)* *yes (d0)*

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4 CLASSIFICATION AND FIELD OF APPLICATION

4.1 Classification references

This classification was carried out in conformity with EN 13501-1:2018.

4.2 Classification

The product *PES FR Satin* in relation to its reaction to fire behaviour is classified:

Reaction to fire class: B – s1, d0

4.3 The field of application

This classification is valid for the following product parameters:

Thickness:	0.14÷0.15 mm
Mass per unit area:	84÷85 g/m²
Colour:	various
Composition:	cannot be changed

This classification applies for the following end-use applications:

Substrate:	free situated product without a substrate or with substrates of reaction to fire classes A1
Way of fixing:	mechanically with fittings of reaction to fire classes A1
Joints:	without joints

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5 RESTRICTIONS

This classification is valid unless the conditions, under which it was issued, have been changed (i.e., until the materials used, the composition or design of the product or the technical regulations relating to the product change).

The sponsor may request the issuing authority to review the influence of changes on the classification validity.

This classification document does not represent type approval or certification of the product.

Elaborated by:

Lenka SOBOTOVÁ
Fire testing laboratory

Approved by:

Jan TRIPES

PAVUS, a.s.
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391 81 Veselí nad Lužnicí
IČ: 60193174; DIČ: CZ60193174
(5)

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