

ILIV

— CONTRACT TEXTILES —

Q4130

FIRE RATING CERTIFICATIONS

- IMO 7
- BS 5867 B & C
- B1
- M1
- BS 5815 Part 3
- Feelsafe

Smd Contracts Ltd
Mrs. Victoria Dyson
Pittman Way, Fulwood
PR2 9ZD PRESTON, LANCASHIRE
Verenigd Koninkrijk



Your notice of	Your reference	Date
08-01-2016		05-02-2016

Analysis Report 16.00088.01

Required tests :

NF P 92-507 (2004)

Identification number	Information given by the client	Date of receipt
T1600348	Q4130 Haven Autumn FR 142cm	08-01-2016

Gina Créelle

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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GENT • Technologiepark 7 • BE-9052 Zwijnaarde, Belgium • phone +32 9 220 41 51 • fax +32 9 220 49 55 • gent@centexbel.be
GRÂCE-HOLLOGNE • Rue du Travail 5 • BE-4460 Grâce-Hollogne, Belgium • phone +32 4 296 82 00 • g-h@centexbel.be
KORTRIJK • Etienne Sabbelaan 49 • BE-8500 Kortrijk, Belgium • phone +32 56 281828 • fax +32 56 281830 • info@vkc.be
VAT BE 0459.218.289 • IBAN BE44 2100 4729 6545 • BIC GEBABEBB

Reference: T1600348 - Q4130 Haven Autumn FR 142cm

Classification of materials according to their reaction to fire - "Electric burner"

Date of ending the test 02-02-2016
 Standard used NF P 92-503 (1995)
 Product standard NF P 92-507 (2004)

Deviation from the standard -

Sample thickness ≤ 5 mm

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

Conditioning 23°C, relative humidity 50%
 Minimum 7 days or until constant mass is achieved

	Length		Width	
	Front	Back	Front	Back
Hole formation	yes	yes	yes	yes
Max. afterflame time (s)	0	0	0	0
Afterglow	no	no	no	no
Afterglow with propagation in area > 25 cm	no	no	no	no
Damaged length (cm)	18.0	19.5	20.0	20.0
Damaged width (cm) in area >45 cm	0	0	0	0
Flaming molten droplets	no	no	no	no
Non-flaming molten droplets	yes	yes	yes	yes
Flaming debris	no	no	no	no
Non-flaming debris	no	no	no	no
Average damaged length (cm)	19.5			
Average damaged width (cm) in area > 45 cm	0			

Reference: T1600348 - Q4130 Haven Autumn FR 142cm

Classification of materials according to their reaction to fire - "Flame persistence test"

Date of ending the test 02-02-2016
 Standard used NF P 92-504 (1995)
 Product standard NF P 92-507 (2004)

Deviation from the standard -

Sample thickness ≤ 5 mm

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

Conditioning 23°C, relative humidity 50%
 Minimum 7 days or until constant mass is achieved

Each test has been carried out with a flame application time of 5s.

	Specimen			
	1	2	3	4
#1	*	*	*	*
#2	*	*	*	*
#3	*	*	*	*
#4	*	*	*	*
#5	*	*	*	*
#6	*	*	*	*
#7	*	*	*	*
#8	*	*	*	*
#9	*	*	*	*
#10	*	*	*	*

*: afterflame time ≤ 2 s

> 2 s: afterflame time > 2 s and ≤ 5 s

> 5 s: afterflame time > 5 s

Flaming debris no

Non-flaming debris yes

Reference: T1600348 - Q4130 Haven Autumn FR 142cm

Classification of materials according to their reaction to fire - "Test for melting materials"

Date of ending the test 04-02-2016
 Standard used NF P 92-505 (1995)
 Product standard NF P 92-507 (2004)

Deviation from the standard -

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

Conditioning 23°C, relative humidity 50%
 Minimum 7 days or until constant mass is achieved

Four specimens, two on both sides, have been tested .

		First ignition (s)	Non-flaming debris	Flaming debris	Ignition cotton wool
#1	front	*	yes	no	no
#2	back	*	yes	no	no
#3	front	*	yes	no	no
#4	back	*	yes	no	no

* no ignition

Classification M1

for the proof of fire behaviour according to DIN 4102-1

Reference:	FLT 3636617	(Translation of the German Prüfzeugnis - no guarantee for translation of technical terms)
Sponsor:	SMD Textiles Ltd. Pittman Way Fulwood, Preston PR2 9ZD United Kingdom	
Order:	2017-10-30	Arrived: 2017-10-30
Description of samples:	Uncoated fabric made of polyester, to be used as curtain or for decorative purposes, named "Q4130 Plain Panama". (for details see page 2)	
Delivered:	2017-10-06	
Content of request:	Proof of flammability to classify building materials to class B1 "schwerentflammbar" according to DIN 4102-1	
Assessment:	The examined product meets the requirements of class B1 for "schwerentflammbare" (not easily flammable) building materials according to DIN 4102-1. If used in one layer, suspended freely or with distance of >40 mm to the same or other plain materials. (for details see page 5)	
Validity	2022-10-31	
Sampling:	The sample was sent to the laboratory by the sponsor	

Remark: If the above-mentioned building material is not used as product according to MBO § 2, there is no need for a general building supervisory test certificate.

This test certificate is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17).

This test certificate 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 certificate can serve as a basis for building supervisory procedures for:

- regulated building products for the pre scribed proofs of conformity
- non-regulated building products for the needed proofs of applicability.

This test certificate comprises 5 pages and 2 appendices.

Approved testing, inspection and certification body

This test certificate must not be published and copied preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents. Agreement of the test laboratory has to be given in any case if norms in which the tests are based or other technical standards have changed.



Prüfstelle für das
Brandverhalten
von Baustoffen
Dipl.-Ing. Uwe Kühnast

Steinstrasse 18
D - 14822 Borkheide
Fon: +49 33845 90901
Fax: +49 33845 90909
Mail: info@firelabs.de

PÜZ-Stelle (LBO): BRA09

TEST CERTIFICATE



1 Description of test material

1.1 Test material (according to the sponsor)

The delivered material is a fabric made flame retardant polyester yarn (referred to as "Inherently flame retardant polyester"). The fabric is intended to be used indoor as curtain fabric or for decorative purposes and was named "Q4130 Plain Panama" by the sponsor.

1.2 Description of the delivered samples

For the tests the laboratory received an uncoated fabric made of synthetic fibres of a length of approx. 3 m and a width of 1.49 m. The sample was marked with the trade name "Q4130 Plain Panama" and batch 20081041

Colour: white

Characteristic values: see paragraph 4.1; Photos: see enclosure 1

Further details are not known to the laboratory, a reference sample has been archived.

2 Preparation of samples

For the small burner (Brennkasten) tests samples for edge flame exposure (dimensions 190 mm x 90 mm) and samples for surface flame exposure (dimensions 230 mm x 90 mm) were cut in warp and in weft orientation of the fabric.

For the fire shaft (Brandschacht) tests 2 specimens were assembled. The samples (dimensions 1000 mm x 190 mm) for the test specimen A have been cut in warp orientation, samples for the test specimen B have been cut in weft orientation of the fabric.

Before testing all samples were kept in a climate chamber acc. DIN 50014-23/50-2 until they reached constant weight.

3 Arrangement of samples

The tests in the fire shaft ("Brandschacht") have been performed acc. DIN 4102-1 and -16 (building materials class B1). The small burner tests ("Brennkasten") have been performed acc. DIN 4102-1, chapter 6.2.5 (building materials class B2).

Arrangement of all samples: single layer, freely suspended

Examination period: October 2017

4 Results

- section 4.1 Material characteristics
- section 4.2.1 Test results of small burner tests
- section 4.2.2 Test results of fire shaft tests

4.1 Material characteristics

Table 1

Specific values		Specifications by manufacturer	Measured values	
			m.v.	s
Thickness	[mm]	./.	0,60	0,010
Mass per unit area	[g/m ²]	220	230	

m.v. mean value

s standard deviation

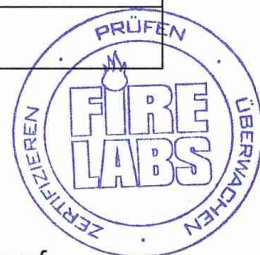
./. not received/not measured

4.2 Results of the fire behaviour

4.2.1 Test results class B2 (Brennkasten)

According DIN 4102-1 all building materials class B1 must also meet the requirements of materials class B2 (flammable). The material, tested in "Brennkasten" acc. DIN 50 050 meets the requirements of class B2; the material did not show burning particles/droplets during these tests.

(Results: see enclosure 2)



4.2.2 Test results class B1 (Brandschacht)

Table 3

Test results (part 1)						
line no.		Specimen				requirements
		A	B	C	D	
1	<u>Number of specimen arrangement</u> acc. DIN 4102 –15 Table 1	1	1	-	-	
2	<u>Maximal flame height</u> above bottom edge cm	20	20	-	-	*)
3	Time ¹⁾ min	1	1	-	-	
4	<u>Burning / melting through</u> Time ¹⁾min	1	1	-	-	
5	<u>Back side of the specimens:</u> <u>Flames / glowing</u> Time ¹⁾ min:s	./.	./.	-	-	
6	<u>Discolouring</u> Time ¹⁾ min	./.	./.	-	-	
7	<u>Falling of burning droplets</u> Begin ¹⁾ min	No	No	-	-	
8	Extend: Sporadic falling of burning droplets					
9	Continuous falling of burning droplets					
10	<u>Falling of burning parts</u> Begin ¹⁾ min	No	No	-	-	
11	Extend: Sporadic falling of burning parts			-	-	
12	Continuous falling of burning parts			-	-	
13	<u>Afterflame time at the bottom of the sieve (max.)</u> min:s	./.	./.	-	-	
14	<u>Impairment of the burner flames by dropping or falling Material</u> Time ¹⁾ min:s	No	No	-	-	
15	<u>Premature end of test</u> Final occurrence of burning at the specimen ¹⁾min	3	4	-	-	
16	Time of eventually end of test ¹⁾ min:s	./.	./.	-	-	

1) Indication of time: from the beginning of testing procedure

- Not tested

./. Not occurred

*) No cause for complaint

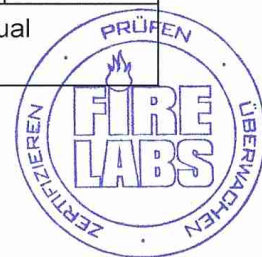


Test results (part 2)						
line no.		Specimen				requirements
		A	B	C	D	
17	<u>Afterflame after end of test</u> Timemin:s	No	No	-	-	
18	Number of specimen					
19	Front side of specimen					
20	Back side of specimen					
21	Flame lengthcm					
22	<u>Afterglow after end of test</u> Timemin:s	No	No	-	-	
23	Number of specimen					
24	<u>Place of appearance:</u> Lower half of specimen					
25	Upper half of specimen					
26	Front side of specimen					
27	Back side of specimen					
28	<u>Smoke density</u> ≤ 400 % min	3.2	5.4	-	-	
29	≥ 400 % min (very strong smoke density)	./.	./.	-	-	
30	Diagram fig. no.	1	3	-	-	
31	<u>Residual length</u> Individual valuecm	65 60 65 70	68 66 60 68	- - - -	- - - -	> 0
32	Average valuecm	65	65	-	-	≥ 15
33	Photo of test specimen fig. no.	2	4	-	-	
34	<u>Flue gas temperature</u> Maximum of average value...°C	113	114	-	-	≤ 200
35	Time ¹⁾min:s	9:54	9:30	-	-	
36	Diagram fig. no.	1	3	-	-	
37	<u>Remarks:</u> line 32: There were no additional tests proceeded, because of the residual length of more then 45 cm (DIN 4102-16:2015-09, 5.2 b))					

Test specimen A (VN 636617-001): samples in warp orientation

Test specimen B (VN 636617-002): samples in weft orientation

- 1) indication of time: from the beginning of testing procedure
- not tested
- ./. not occurred
- *) no cause for complaint
- VN test-number



5 Assessment

According to the test results in section 4.2 the material, described in section 1 and 4.1, fulfils the requirements of a building material class B1 according to DIN 4102-1 if the material is used suspended freely or with a distance of > 40 mm to the same or other plain materials.

The requirements of building materials class B2 are also fulfilled. No falling of burning parts or droplets occurred during these tests.

The verification

- for outdoor usage (ageing behavior by outdoor weathering)
- after washing or cleaning with chemicals.

was not subject of the tests.

6 Special remarks

This certificate is only valid for the material as described under paragraph 1. In combination with other materials or with additional coatings or surfaces etc. the burning behaviour may differ.

This test certificate is not valid, as soon as the product is used as a building product in the sense of the "Landesbauordnungen" (state building requirements, MBO § 17).

This test certificate is no substitute for a General Building Inspectorate Certificate. This test certificate is granted without prejudice to the rights of third parties, or particular private proprietary rights.

In General Building Inspectorates procedures this test certificate can be based for

- regulated building materials for the required proof of accordance
- for non-regulated building materials for the required proof of applicability

The explanations given in DIN 4102-1 app. D, especially concerning an external production control has to be considered.

This test certificate is valid until 2022-10-31, provided that the test methods, the classification rules and the technology do not change during this period.

Borkheide, 1st of November 2017



Head of the test laboratory
Dipl.-Ing. (FH) Uwe Kühnast

This translation was issued on 3rd of November 2017, in a case of doubt the German version is valid solely.

Test specimen A

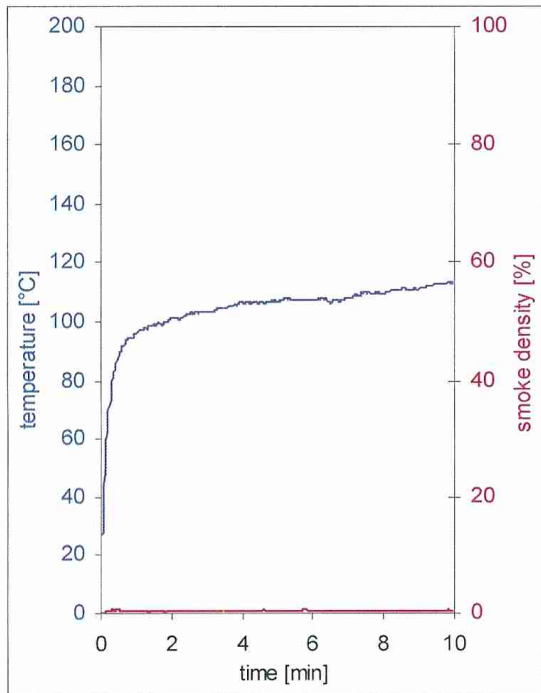


fig. 1
Graphs of the flue gas temperature and the smoke density

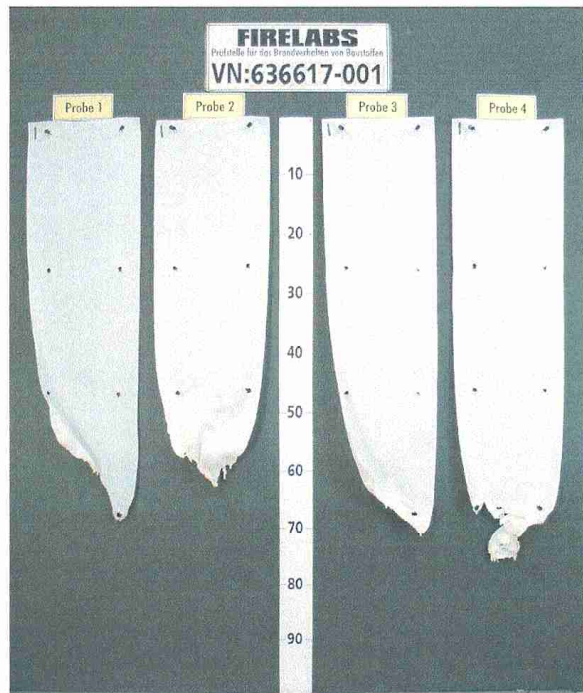


fig. 2
View of test specimen after the test

Test specimen B

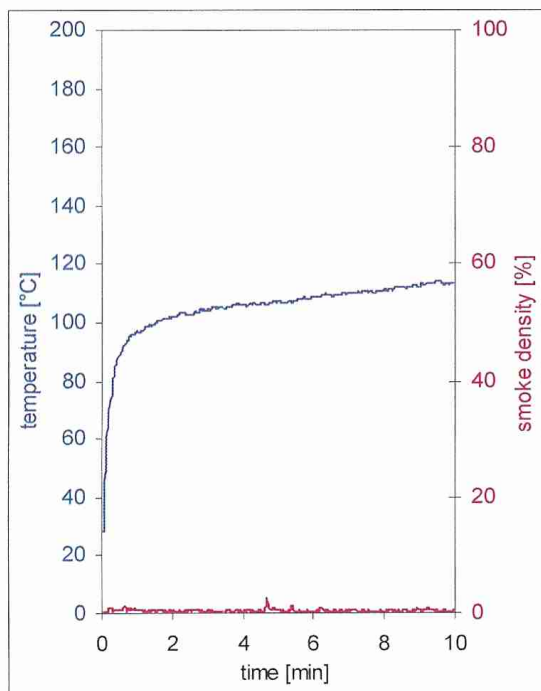


fig. 3
Graphs of the flue gas temperature and the smoke density

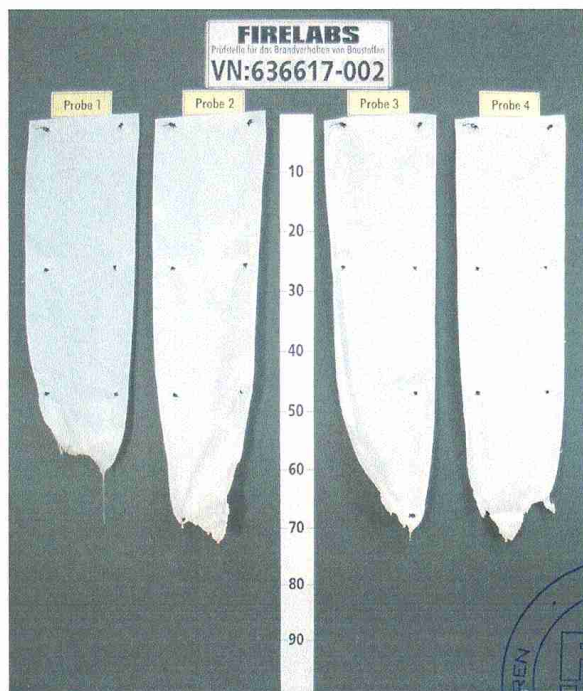


fig. 4
View of test specimen after the test



Test results small burner test

Table 2

Sample-No.	warp direction							weft direction							dim.	requirements
	1	2	3	4	5	6	-	1	2	3	4	5	6	-		
Ignition of the sample	1	1	1	1	1	2	-	1	1	1	1	1	2	-	s	-
Maximum flame height	3	3	3	3	4	3	-	5	4	6	5	4	3	-	cm	-
Time of the maximum	4	3	3	3	3	4	-	7	5	6	6	4	5	-	s	-
Flame tip reached the 150 mm mark	./.	./.	./.	./.	./.	./.	-	./.	./.	./.	./.	./.	./.	-	s	≥ 20
Flames have extinguished before reaching the mark	4	4	3	3	4	7	-	7	5	6	6	4	5	-	s	-
Ignition of filter paper	./.	./.	./.	./.	./.	./.	-	./.	./.	./.	./.	./.	./.	-	s	1)
Smoke density (visual)	very low							very low							-	-
Afterburning time	./.	./.	./.	./.	./.	./.	-	./.	./.	./.	./.	./.	./.	./.	s	-
Flames were extinguished after	./.	./.	./.	./.	./.	./.	-	./.	./.	./.	./.	./.	./.	-	s	-

View of the samples after the test (20 seconds after exposure the flame):

- in warp and weft orientation destroyed length of max. 4 cm and approx. 1,5 cm in width; sintered above approx. 4 cm, soot above approx. 8 cm.

Samples 1: Edge flame exposure

Samples 2-6: Surface flame impingement

1) No ignition within 20 seconds

./. Not occurred

dim. Dimension

Indication of time: from the beginning of testing procedure

Indication of measurements: from reference line of the flame



FLAMMABILITY TEST CERTIFICATE - 84547

COMPANY DETAILS: SMD CONTRACTS LTD
UNIT F2, PITTMAN WAY, FULWOOD, PRESTON
PR2 9ZD

CONTACT NAME(S): EMMA LOCKWOOD
TEL: 01772665263
EMAIL: emma_lockwood@smdtextiles.co.uk

DATE RECEIVED: 23/09/2020
DATE TESTED: 28/09/2020
DATE ISSUED: 28/09/2020
PO NUMBER: NOT STATED

SAMPLE DESCRIPTION: Q4130
COLOUR: MUSTARD
QUALITY/BATCH REF: BURLINGTON MUSTARD
MODEL REF: NOT STATED
COMPOSITION: 100% POLYESTER IFR
SAMPLE END USE: CONTRACT BEDDING/COUNTERPANE
MANUFACTURER: ZB
SUPPLIER/BUYER: SMD CONTRACTS

SPECIFICATION/REQUIREMENT:

BS 5815 Part 3: 1991 – Specification for counterpanes and continental quilts secondary covers including flammability performance suitable for use in the public sector.

TEST METHOD(S):

BS 5438: 1989 Clause 10 – Methods of test for flammability of textile fabrics when subjected to a small igniting flame applied to the face or bottom edge of vertically orientated fabrics.

PRE-TREATMENT:

Prior to conditioning one set of six specimens had been subjected to one wash cycle in accordance with BS 5651: 1990 Clause 6.5.3, then line dried in ambient atmospheric conditions.

CONDITIONING:

The sample was conditioned 24rs prior testing in an atmosphere having a temperature between 15°C - 30°C and a relative humidity between 20% - 65%.

Authorised By:



Zeb Alam
Operations Director

Mark Jones
Quality Manager

Karen Brooks
Managing Director

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 $U_k=2$ (approximately 95% confidence interval). Results outside these limits are declared as 'fail'. All test results issued on this certificate refer only to the item under test as supplied by the customer. This test certificate shall not be duplicated. Textile Innovation House, 1 Lyons Road, Trafford Park, Manchester, M17 1RN T: 0161 50 50 650 E: technical@ifs-labs.com



FLAMMABILITY TEST CERTIFICATE - 84547

TEST RESULTS:

“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.”

RESULTS: BEFORE WASH

SURFACE TEST CRITERIA	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC
Specimen Direction:	↑	↓	↑	←	→	←
Application Time:	10	10	10	10	10	10
Hole formed: (Y/N)	YES	YES	YES	YES	YES	YES
Hole reached the edge: (Y/N)	NO	NO	NO	NO	NO	NO
Flame reached the edge: (Y/N)	NO	NO	NO	NO	NO	NO
Flaming duration:	0.0	0.0	0.0	0.0	0.0	0.0
Afterglow duration:	0.0	0.0	0.0	0.0	0.0	0.0
Flaming Debris: (Y/N)	NO	NO	NO	NO	NO	NO
Damage Length: (mm)	67.0	69.0	71.0	67.0	60.0	57.0
MEAN AFTER FLAME TIME <4s				0.0		
MEAN AFTERGLOW TIME <4s				0.0		
TEST RESULTS	PASS	PASS	PASS	PASS	PASS	PASS

RESULTS: AFTER WASH

SURFACE TEST CRITERIA	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC	FABRIC
Specimen Direction:	↑	↓	↑	←	→	←
Application Time:	10	10	10	10	10	10
Hole formed: (Y/N)	YES	YES	YES	YES	YES	YES
Hole reached the edge: (Y/N)	NO	NO	NO	NO	NO	NO
Flame reached the edge: (Y/N)	NO	NO	NO	NO	NO	NO
Flaming duration:	0.0	0.0	0.0	0.0	0.0	0.0
Afterglow duration:	0.0	0.0	0.0	0.0	0.0	0.0
Flaming Debris: (Y/N)	NO	NO	NO	NO	NO	NO
Damage Length: (mm)	74.0	69.0	71.0	76.0	67.0	69.0
MEAN AFTER FLAME TIME <4s				0.0		
MEAN AFTERGLOW TIME <4s				0.0		
TEST RESULTS	PASS	PASS	PASS	PASS	PASS	PASS

CONCLUSION:

The sample supplied **meets** the performance requirements of BS 5815 Part 3: 1991, when tested in accordance with BS 5438: 1989 Clause 10 – before and after one wash cycle.

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 $U_{k=2}$ (approximately 95% confidence interval). Results outside these limits are declared as ‘fail’. All test results issued on this certificate refer only to the item under test as supplied by the customer. This test certificate shall not be duplicated. Textile Innovation House, 1 Lyons Road, Trafford Park, Manchester, M17 1RN T: 0161 50 50 650 E: technical@ifs-labs.com

END OF REPORT

Test Certificate 100848 - 1

Report Details

Report Number 100848 - 1 **Service Requested** BS 5867-2: 2008 - Type B - Before & After 12 Commercial
Date Received 12-Aug-22 **Date Tested** 17-Aug-22 **Date Issued** 22-Aug-22

Customer Details

Company Name SMD CONTRACTS
Customer Contact **Company Address** UNIT F2, PITTMAN WAY
Customer Ref/PO FULWOOD
LANCASHIRE
PR2 9ZD

Customer Details - As Supplied by the Customer

Sample Description Q4130 PFP
Fibre Composition INHERENTLY FLAME RETARDANT POLYESTER

Quality/Batch Ref

Colour

Sample End Use CONTRACT DRAPERY

Model Ref

Manufacturer

Supplier / Buyer SMD HOLDINGS LTD.

Performance Requirement:

BS 5867-2: 2008 Type B – Flammability requirements specification – Fabrics for curtains, drapes and window blinds.

Test Method:

BS EN ISO 15025: 2002 Procedure A (Surface Ignition) – Protective clothing – Protection against heat and flame. Methods of test for limited flame spread.

Pre-Treatment:

One set of six specimens have been subjected to 12 Commercial Wash Cycles in accordance with BS EN ISO 10528 : 1995.

Conditioning:

Prior to testing the sample was conditioned for at least 24 hrs in a specified atmosphere at $20 \pm 2^{\circ}\text{C}$ and $65 \pm 5\%$ r h.

Pass / Fail Criteria:

No Part of any hole nor any part of the lowest boundary of any flame shall reach the top edge or either vertical edge of the specimen. If any part of any hole or any part of the lowest boundary of any flame, reaches the top edge or either vertical edge, or if there is any separation of any flaming debris droplets in the testing of one specimen, a further six specimens must be tested and comply with the above requirements, the fabrics shall be deemed to conform to the requirements of type "B" of BS 5867-2 : 2008

Test Certificate 100848 - 1

Test Results

Test Type:	Before					
Test Number:	1	2	3	4	5	6
Specimen Direction:	↑	↓	↑	→	←	→
Application Time:	15 Seconds		15 Seconds		15 Seconds	
Surface:	FACE		FACE		FACE	
*Flaming Ceased:	0	0	0	0	0	0
*Afterglow Ceased:	0	0	0	0	0	0
Hole Formed:	Yes	Yes	Yes	Yes	Yes	Yes
Hole Reached the Edge:	No	No	No	No	No	No
Flame Reached the Edge:	No	No	No	No	No	No
Flaming Debris:	No	No	No	No	No	No
*Damage Length [mm]:	46	46	53	52	54	50
*Damage Width [mm]:	19	19	17	14	17	13
Test Result:	PASS					

Test Results

Test Type:	After					
Test Number:	1	2	3	4	5	6
Specimen Direction:	↑	↓	↑	→	←	→
Application Time:	15 Seconds		15 Seconds		15 Seconds	
Surface:	FACE		FACE		FACE	
*Flaming Ceased:	0	0	0	0	0	0
*Afterglow Ceased:	0	0	0	0	0	0
Hole Formed:	Yes	Yes	Yes	Yes	Yes	Yes
Hole Reached the Edge:	No	No	No	No	No	No
Flame Reached the Edge:	No	No	No	No	No	No
Flaming Debris:	No	No	No	No	No	No
*Damage Length [mm]:	46	44	43	54	62	49
*Damage Width [mm]:	17	16	16	17	17	22
Test Result:	PASS					

Overall Result: PASS

The sample supplied meets the type B performance requirement of BS 5867-2: 2008 when tested in accordance with BS EN ISO 15025: 2002 Procedure A (Surface Ignition).

Authorised Signature:



Zeb Alam

Operations Director

The uncertainty of measurement is taken into account when stating conformance to the specification. The test results are compared with the acceptance limits which are determined by reducing the specification limit by the expanded test uncertainty $U_{k=2}$ (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 $\leq 2.5\%$. All test results issued on this report refer only to the item under test as supplied by the customer.

END OF REPORT

Test Certificate 100849 - 1

Report Details

Report Number 100849 - 1 **Service Requested** BS 5867-2: 2008 - Type C
Date Received 12-Aug-22 **Date Tested** 17-Aug-22 **Date Issued** 22-Aug-22

Customer Details

Company Name SMD CONTRACTS
Customer Contact **Company Address** UNIT F2, PITTMAN WAY
Customer Ref/PO FULWOOD
LANCASHIRE
PR2 9ZD

Customer Details - As Supplied by the Customer

Sample Description Q4130 PFP
Fibre Composition INHERENTLY FLAME RETARDANT POLYESTER

Quality/Batch Ref

Colour

Sample End Use CONTRACT DRAPERY

Model Ref

Manufacturer

Supplier / Buyer SMD HOLDINGS LTD.

Performance Requirement:

BS 5867-2: 2008 Type C – Flammability requirements specification – Fabrics for curtains, drapes and window blinds.

Test Method:

BS EN ISO 15025: 2002 Procedure A (Surface Ignition) – Protective clothing – Protection against heat and flame. Methods of test for limited flame spread.

Pre-Treatment:

Prior to testing, one set of specimens had been subjected to 50 standard wash cycles in accordance with BS EN ISO 15028 (Standard) and then line dried in ambient atmospheric conditions.

Conditioning:

The sample was conditioned for at least 24 hrs in a specified atmosphere at $20 \pm 2^\circ\text{C}$ and $65 \pm 5\%$ r h.

Pass / Fail Criteria:

No Part of any hole nor any part of the lowest boundary of any flame shall reach the top edge or either vertical edge of the sample. If any part of any hole or any part of the lowest boundary of any flame, reaches the top edge or either vertical edge, or if there is any separation of any flaming debris droplets in the testing from any specimen, or if the mean after flame or afterglow times exceed 2.5 seconds the fabrics shall be deemed not to comply with the requirements for type "C" of BS 5867-2

Test Certificate 100849 - 1

Test Results

Test 1 - Before Wash	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Surface Tested:	Face		Back		Face		Back		Face		Back		Face		Back	
Specimen Direction:	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→
Application Time:	5 Seconds		5 Seconds		15 Seconds		15 Seconds		20 Seconds		20 Seconds		30 Seconds		30 Seconds	
*Flaming Ceased:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Afterglow Ceased:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hole Formed:	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hole Reached the Edge:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flame Reached the Edge:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flaming Debris:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
*Damage Length [mm]:	40	38	41	34	39	48	46	44	64	66	62	71	83	77	83	88
*Damage Width [mm]:	14	14	15	20	15	22	28	19	16	22	25	19	23	27	24	18
*Average After Flame < 2.5S	0.0															
*Average After Glow < 2.5S	0.0															

Test Certificate 100849 - 1

Test 2 - After Wash	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Surface Tested:	Face		Back		Face		Back		Face		Back		Face		Back	
Specimen Direction:	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→	↑	→
Application Time:	5 Seconds		5 Seconds		15 Seconds		15 Seconds		20 Seconds		20 Seconds		30 Seconds		30 Seconds	
*Flaming Ceased:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Afterglow Ceased:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hole Formed:	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hole Reached the Edge:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flame Reached the Edge:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flaming Debris:	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
*Damage Length [mm]:	51	49	50	55	61	58	59	63	64	69	61	71	82	85	79	83
*Damage Width [mm]:	24	24	24	22	27	18	21	22	23	18	22	22	31	19	26	28
*Average After Flame < 2.5S	0.0															
*Average After Glow < 2.5S	0.0															

Overall Result: PASS

The sample supplied meets the type C performance requirement of BS 5867-2: 2008 when tested in accordance with BS EN ISO 15025: 2002 Procedure A (Surface Ignition) before and after cleansing.

Authorised Signature:



Zeb Alam

Operations Director

The uncertainty of measurement is taken into account when stating conformance to the specification. The test results are compared with the acceptance limits which are determined by reducing the specification limit by the expanded test uncertainty $U_k=2$ (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 $\leq 2.5\%$. All test results issued on this report refer only to the item under test as supplied by the customer.

END OF REPORT

FLAMMABILITY TEST CERTIFICATE - 100850

COMPANY DETAILS: SMD CONTRACTS
SMD GROUP LTD, UNIT F2, PITTMAN WAY, FULWOOD,
PRESTON, PR2 9ZD

CONTACT NAME(S):
TEL: 01772665263
EMAIL:

DATE RECEIVED: 12/08/2022
DATE TESTED: 18/08/2022
DATE ISSUED: 19/08/2022
PO NUMBER: NOT STATED

SAMPLE DESCRIPTION: Q4130 PFP
COLOUR: NOT STATED
QUALITY/BATCH REF: NOT STATED
MODEL REF: NOT STATED
COMPOSITION: INHERENTLY FLAME RETARDANT POLYESTER
END USE: CONTRACT DRAPERY
DESCRIPTION OF WEAVE: NOT STATED
MASS PER UNIT AREA: NOT STATED
FR TREATMENT: NOT STATED
MANUFACTURER: NOT STATED
SUPPLIER: SMD HOLDINGS LTD.

SPECIFICATION/REQUIREMENT:
IMO FTP Part 7: 2010 – Test for vertically supported textiles and films.

PRE-TREATMENT:
No wetting procedure had been carried out. The results obtained in this report relate only to the tested specimens as received.

CONDITIONING:
The specimens had been conditioned for at least 24 hrs in a specified atmosphere at $20 \pm 5^\circ\text{C}$ and $65 \pm 5\% \text{ r h}$.

Authorised By:



Zeb Alam
Operations Director

Mark Jones
Quality Manager

Karen Brooks
Managing Director

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 $U_k=2$ (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 $\leq 5\%$. 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



2513

FLAMMABILITY TEST CERTIFICATE - 100850

TEST RESULTS – FACE SIDE:

Test Results (Warp)	1	2	3	4	5
Application Time (as determined by pre-testing):	15s (FACE)	15s (FACE)	15s (FACE)	15s (FACE)	15s (FACE)
After Flame time:	0	0	0	0	0
Flame reached an edge:	NO	NO	NO	NO	NO
Charred Length: (mm)	55	53	54	55	65
Ignition of Cotton Wool (Y/N)	NO	NO	NO	NO	NO
Occurrence of surface flash (Y/N)	NO	NO	NO	NO	NO
Specimen Result:	PASS	PASS	PASS	PASS	PASS

Test Results (Weft)	1	2	3	4	5
Application Time (as determined by pre-testing):	15s (FACE)	15s (FACE)	15s (FACE)	15s (FACE)	15s (FACE)
After Flame time:	0	0	0	0	0
Flame reached an edge:	NO	NO	NO	NO	NO
Charred Length: (mm)	56	53	56	50	50
Ignition of Cotton Wool (Y/N)	NO	NO	NO	NO	NO
Occurrence of surface flash (Y/N)	NO	NO	NO	NO	NO
Specimen Result:	PASS	PASS	PASS	PASS	PASS

*after flame time ≤ 5 s for any specimen.

*no flame propagation to the edges for any specimen.

*no ignition of the cotton wool for any specimen.

*average char length ≤ 150 mm.

*no occurrence of surface flash more than 100mm from the point of ignition

CONCLUSION:

The sample supplied **meets** the performance criteria as stated in paragraph 3 of IMO FTP Part 7: 2010.

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 $U_k=2$ (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 $\leq 5\%$. 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



2513

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° 22-02249 L

And 1 Appendix of 6 pages

MATERIAL presented by: SMD Contracts Ltd.
Pittman Way, Fulwood,
Preston, England
PR2 9ZD

TRADE NAME: Q4130

BRIEF DESCRIPTION: Fabric 100% inherent fire resistant polyester
Nominal surface weight : 220 g/m²
Measured thickness: About 0.5 mm
Colours : White

TEST REPORT : N° 22-02249 E1V1 on the September 29th 2022

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 September 29th 2022



Olivier PALLAS
Tests and Trials Engineer