

Standard Molton

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

J&C Joel TM
Inspiration in every performance

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Composition and Care

300 cm 3

Fire Certificates

BS5867 Part 2 Type B 4

B1 8

EN 13501-1 19

M1

24

TECHNICAL



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



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



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



FR
Flame Retardant
chemically treated to an individual specification



NOT FR
Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

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

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

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

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

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

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

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

ATTRIBUTES



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



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



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



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

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






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

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

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

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

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	NDFR
	Fire Certification	BS5867, B1, EN13501-1, M1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	80% Cotton, 10% Viscose, 10% Polyester
	Construction of Fabric	Twill Weave
Chemicals	Surface Treatments	Dyed & Flameproofed
	Brand Name of Flame Retardant Chemicals	Flacavon R neu
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	Immersion
Care	Information	<p>Non-Durably Flame Retardent. This means the fabric is chemically treated if wet (in any way) should be treated to meet the flammability requirements of BS5867 Part 2 Type B. Therefore, the cloth will not withstand wet cleaning and should be re-flame proofed whenever wet. The cloth can be professionally dry cleaned using the correct chemical process.</p> <p>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.</p> <p>This fabric is not pre-shrunk.</p>
	Laundering Treatment	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Dry Clean Only</div> <div style="text-align: center;"> Do Not Wash</div> <div style="text-align: center;"> Do Not Bleach</div> <div style="text-align: center;"> Do Not Iron</div> <div style="text-align: center;"> Do Not Tumble Dry</div> </div>
Notes	Fabric is GRS (Global Recycled Certified)	



Fire Rating:
NDFR



Approx Roll Length:
60m / 197ft



Width:
300cm / 118"



Weight:
320 g/m²



Fire Certification:
BS5867, B1,
EN13501-1, M1



Colour Available
1

Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: BS5867 Part 2 Type B

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Telephone: +44 (0) 113 259 1999
Email: onestopshop@bttg.co.uk
Website: www.bttg.co.uk

Date: 8 June 2022

Our Ref: 23/59790/05/22
Your Ref:

Page: 1 of 4

Client: **J & C Joel Ltd**

Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: 67522

Date of Receipt: 31 May 2022

Date Test Started: 06 June 2022

Description of Sample: One sample of fabric, which was referenced by the client as;

Cotton/Viscose Molton NDFR

Work Requested: We were asked to make the following fire test:

BS 5867: Part 2:Type B:2008 (2015)


- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited





Note: This report relates only to the samples submitted and as described in the report.

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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: BS5867 Part 2 Type B

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Your Ref:
Page: 2 of 4

Client: J & C Joel Ltd

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

Pre-treatment

The sample was not subjected to any water soaking procedure.

Conditioning

The test specimens were conditioned for at least 24 hours in the standard atmosphere of $65 \pm 5\%$ relative humidity (R.H.) and $20 \pm 2^\circ\text{C}$.

Testing

Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition):2002.


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:Type B:2008 (2015).




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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: BS5867 Part 2 Type B

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Our Ref: 23/59790/05/22
Your Ref:

Page: 3 of 4

Client: J & C Joel Ltd

Results - Testing as received.

Specimen No.	Length			Width		
	1	2	3	4	5	6
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No
Afterflame (s)	0	0	0	0	0	0
Afterglow (s)	0	0	0	0	0	0

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: Pass

Comment

The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 – the fabric must be clearly labelled 'If wetted in any way it is essential to re-treat the fabric to meet flammability requirements'.

The 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 used in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2011). If the fabric is unsuitable for cleansing, this shall be stated.

An estimation of uncertainty of measurement has been taken into account when making a judgment to any pass/fail criteria. Under our Policy we have used a non binary decision rule.


See our Decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.




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Type: BS5867 Part 2 Type B

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Page: 4 of 4

Client: J & C Joel Ltd

Uncertainty Budget

Measurements are not taken and pass/fail is related to flame extremities and flaming debris, as such any risk of false acceptance/false rejection is inherent with this standard and would be outside of 95% probability in any case. As such UoM is Zero providing all input parameters are correct.

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.

Reported by:  B Bland, Technical Customer Services Officer

Countersigned by:  P Doherty, Manager


Enquiries concerning this report should be addressed to Customer Services.





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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1

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

TEST REPORT PZ-Hoch-221140-4

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

company

description of samples	black fabric of recycled cotton, viscose and polyester
name of the material	„GREENLINE BÜHNENMOLTON“ / “GREENLINE STAGE MOLTON”
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	30.11.2027
result	The examined product meets the requirements of class B1 for hardly flammable (“schwerentflammbare”) building materials according to DIN 4102, pt. 1 (May 1998), suspended freely or with distance of >40 mm to same or other plain materials.

This test report includes 5 pages and 6 enclosures.

Remark: If the building material mentioned above is not used as a product according to MBO § 2, Abs. 9, Ziffer 1, 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 as defined by 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 as defined by State Building Prescriptions. This has to be certified instead 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 irregular building products for the required proofs of applicability.


Without written consent of the test laboratory, this test report may only be published or duplicated during its denoted period of validity, providing that no changes to appearance or content are made.


ISO 9001:2015 certified
member of 
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.




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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1

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Lärchenweg 1
D-97650 Fladungen

page 2 of 5 of the test report
PZ-Hoch-221140-4

1. Description of test material in condition as delivered

PN 36075 „GREENLINE BÜHNENMOLTON“ / “GREENLINE STAGE MOLTON”

black fabric consisting of 73% recycled cotton, 17 % viscose and 10 % polyester
no difference between side A and side B

characteristic values determined by the test laboratory:

area weight: about 326 g/m² thickness: about 1,43 mm

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

2. Preparation of samples

Samples with a size of 1000 mm height and 190 mm width were cut from the material for fire testing.


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


3. Arrangement of samples

mounting: freely suspended
#5956: flaming side A in warp direction
#5957: flaming side B in weft direction
#5960: flaming side B in weft direction
#5961: flaming side B in weft direction


4. Date of test CW 49 in 2022


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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1



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page 3 of 5 of the test report
PZ-Hoch-221140-4

5. Results The test has been performed according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen				Dim.
		#5956	#5957	#5960	#5960	
	Test number	#5956	#5957	#5960	#5960	
	flaming direction	warp	warp	weft	weft	
	side	A	B	B	B	
1	Number of specimen arrangement acc. to DIN 4102/T15, schedule 1	1	1	1	1	
2	Maximum flame height above bottom edge of specimen	100	100	90	100	cm
3	Time ¹⁾	0:30	0:30	0:29	0:28	min:s
4	Burn-through / melting Time ¹⁾	0:30	0:19	0:28	0:32	min:s
5	Observations on the back side of 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	-	-	-	-	
9	sporadic falling of burning droplets ²⁾ continuous falling of burning droplets ²⁾	- .	- .	- .	- .	min:s
10	Falling of burning parts Start ²⁾	min:s
11	Extent	-	-	-	-	
12	sporadic falling of burning parts ²⁾ continuous falling of burning parts ²⁾	- .	- .	- .	- .	
13	Burning duration at sieve plate (max.)	min:s
14	Impairment of burner by dropping or falling material: Time ¹⁾	min:s
15	Premature end of test Final occurrence of burning at the specimen ¹⁾	0:40	0:45	0:40	0:40	min:s
16	Time of eventually end of test ¹⁾	min:s
17	Afterburning after end of test Time ¹⁾	min:s
18	Number of specimen	-	-	-	-	
19	Front side of specimen ²⁾	-	-	-	-	
20	Rear side of specimen ²⁾	-	-	-	-	
21	flame length	-	-	-	-	cm
22	Afterglow after end of test 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	Rear side of specimen ²⁾	-	-	-	-	

Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1

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page 4 of 5 of the test report
PZ-Hoch-221140-4


line no.	Measurement	Result with the tested specimen				Dim.
		#5956	#5957	#5960	#5960	
	Test number	warp	warp	weft	weft	
	flaming direction	A	B	B	B	
	side					
28	Density of smoke $\leq 400 \text{ \% * min}$	19	21	22	20	% * min
29	$> 400 \text{ \% * min}^4)$	-	-	-	-	% * min
30	Diagram in enclosure no.	1	2	3	4	
31	Residual lengths: individual values ³⁾					
	Specimen 1	32	25	26	25	cm
	Specimen 2	29	24	24	26	cm
	Specimen 3	26	23	28	27	cm
	Specimen 4	28	24	29	26	cm
32	Average residual length ²⁾	30	24	27	26	
33	Photo of specimen in enclosure no.	1	2	3	4	
34	Flue gas temperature					
	Maximum of average values	131	130	131	131	°C
35	Time ¹⁾	0:31	0:31	0:31	0:30	min:s
36	Diagram in enclosure no.	1	2	3	4	
37	Remarks: - none -					


¹⁾ indication of times relative to beginning of test


²⁾ checked 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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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1

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page 5 of 5 of the test report
PZ-Hoch-221140-4

6. Explanations concerning the testing procedure

none

7. Summary of results and additional establishments to Fire Behaviour

line no.	Measurement test-no.	Result with the tested specimen				dimension
		#5956 warp direction side A	#5957 weft direction side B	#5960 weft direction side B	#5961 weft direction side B	
1	residual length	30	24	27	26	cm
2	max. smoke temperature	131	130	131	131	°C
3	integral of smoke density	19	21	22	20	%min
4	remarks: none					

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

After performing additional tests in the ignitability apparatus, this could be verified (encl. 5-6).

8. Special remarks

- This report is only valid for the material as described in paragraph 1. In combination with other materials or with additional coatings or primers 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 if the material is used as a building product in the sense of the State Building Regulations ("Landesbauordnungen", 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 used 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 denoted date on page 1. The test report becomes invalid in case the standards on which these tests are based are changed.

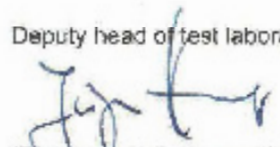
Fladungen, 12.08.2025

Clerk in charge:


(Dipl.-NanoSc./Christoph Glotzbach)



Deputy head of test laboratory:


(Dipl.-Ing. (FH) Jürgen Hammer)

End of Report



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Fire Test Certificate - Specimen

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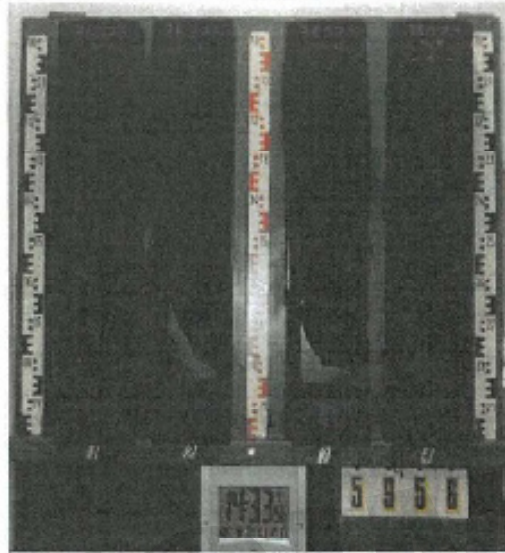
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enclosure 1 test report
PZ-Hoch-221140-4

Fire shaft test #5956

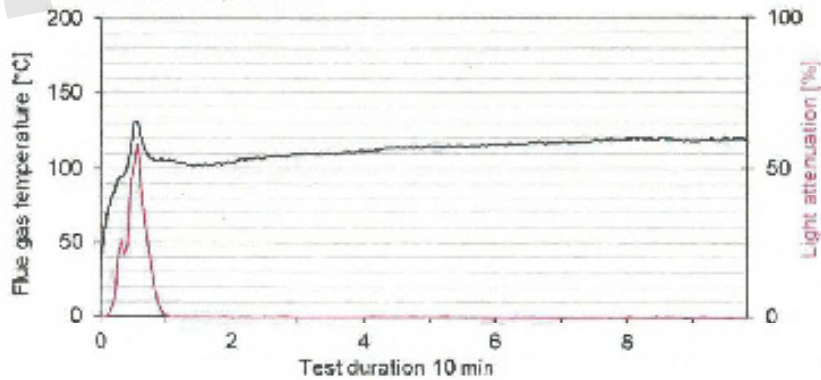



measurement


#5956, PN36075: A+K


Max. flue temperature: 131°C, Smoke density integral: 18%/min


Residual length: 30 cm





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Fire Test Certificate - Specimen

Fabric: Standard Molton

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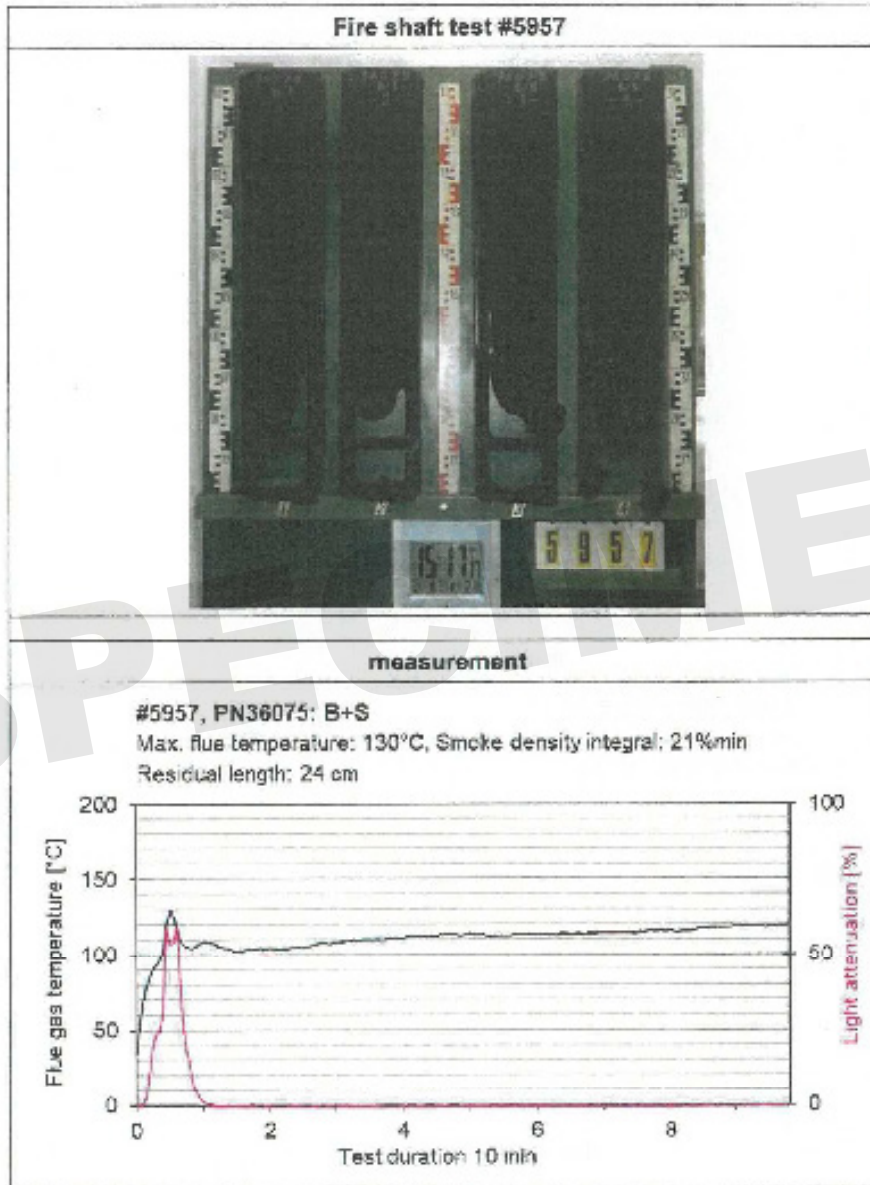
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enclosure 2 test report
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Fire Test Certificate - Specimen

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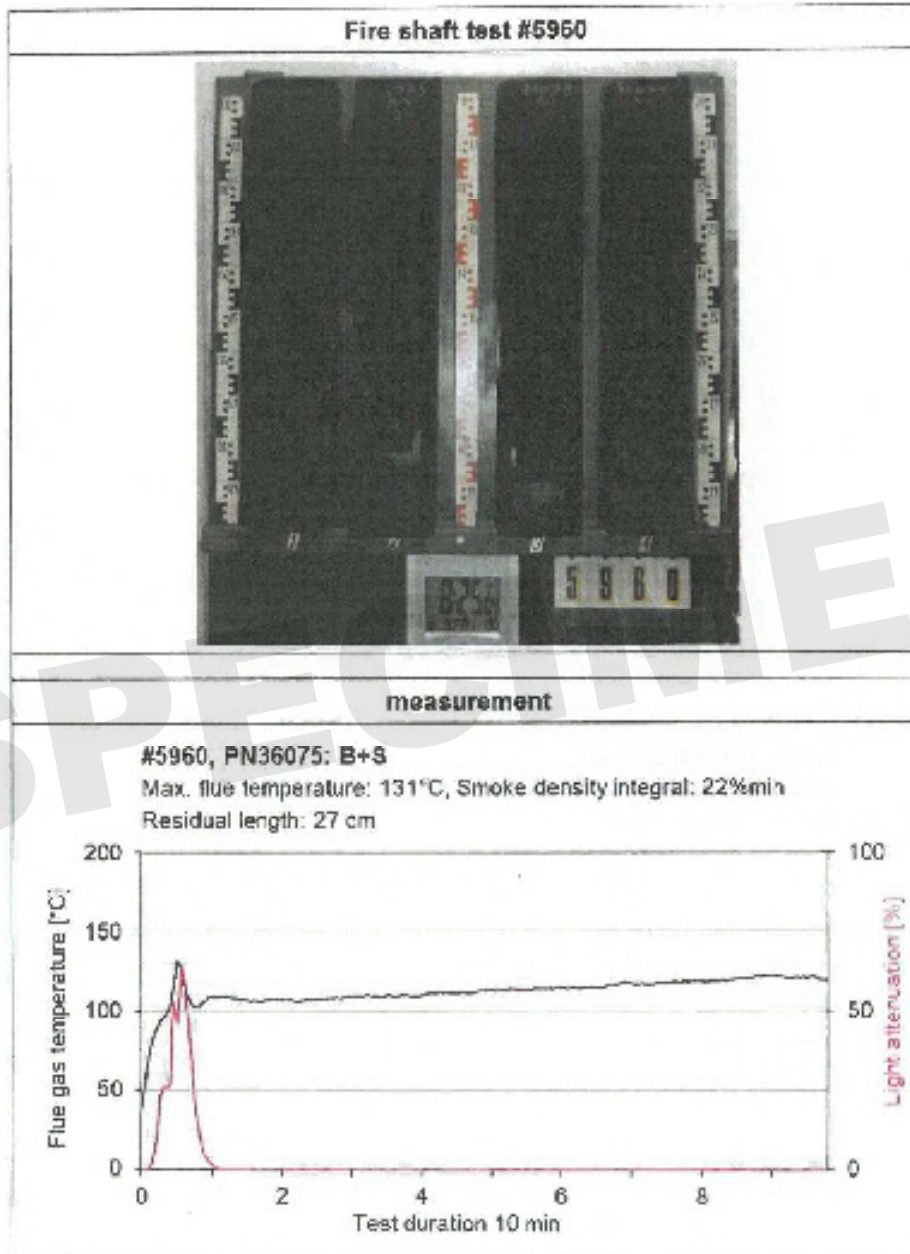
Type: B1


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enclosure 3 test report
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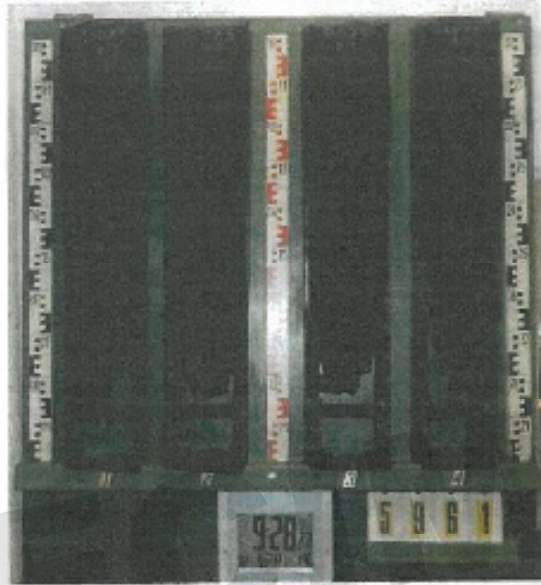


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enclosure 4 test report
PZ-Hoch-221140-4

Fire shaft test #5961

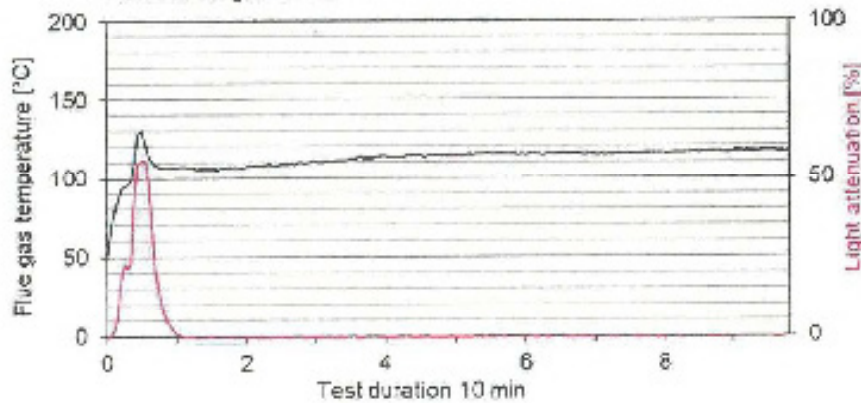



measurement


#5961, PN36075: B+S


Max. flue temperature: 131°C, Smoke density integral: 20%/min


Residual length: 26 cm





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Fire Test Certificate - Specimen

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enclosure 5 test report
PZ-Hoch-221140-4

Test for normal flammability
classifying B2 according to DIN 4102

1. Description of test material in condition as delivered cf. page 2
2. Preparation of samples
Samples for the ignitability apparatus were cut from the sample.
The samples were kept in a climate 23/50 until they reached constant weight.
3. Arrangement of samples freely suspended
Flaming side A and side B in warp and in weft direction
4. Date of test CW 49 in 2022
5. Results

PN 36075 side A in weft	surface-test						edge-test						Clim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.													
ignition ¹⁾	2	2	2	2	2	-	1	-	-	-	-	-	s
measurement mark reached ¹⁾²⁾	-/-	-/-	-/-	-/-	-/-	-	-/-	-	-	-	-	-	s
maximum flame height	5	5	5	5	5	-	4	-	-	-	-	-	cm
time of max. flame height	5	5	5	5	5	-	10	-	-	-	-	-	s
Self-cessation of flames end of afterburning ¹⁾	15	15	15	15	15	-	15	-	-	-	-	-	s
end of glowing	15	15	15	15	15	-	15	-	-	-	-	-	s
flames were extinguished after ¹⁾	-/-	-/-	-/-	-/-	-/-	-	-/-	-	-	-	-	-	s
smoke development (visually)	moderate						moderate						
dropping of burning material ¹⁾²⁾	-/-	-/-	-/-	-/-	-/-	-	-/-	-	-	-	-	-	s
Appearance after test: burned out till max. width 2 cm x height 7 cm													

Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: B1



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enclosure B test report
PZ-Hoch-221140-4

PN 36075 additional tests	edge-test						surface-test						DE
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.													
side/direction	AK	BK	BS				AK	BK	BS				
ignition ¹⁾	1	1	1	--	--	--	2	2	2	--	--	--	S
measurement mark reached ¹⁾²⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	S
maximum flame height	4	4	4	--	--	--	5	5	5	--	--	--	cm
time of max. flame height	10	10	10	--	--	--	15	15	15	--	--	--	S
Self-cessation of flames end of afterburning ¹⁾	15	15	15	--	--	--	15	15	15	--	--	--	S
end of glowing	15	15	15	--	--	--	15	15	15	--	--	--	S
flames were extinguished after ¹⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	S
smoke development (visually)	moderate						moderate						
dropping of burning material ¹⁾²⁾	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	S
Appearance after test: burned out till max. width 2 cm x height 7 cm													

¹⁾ time denoted relative to beginning of test ²⁾ during 20 Sec -/- no occurrence -- no information
A: side A B: side B K: warp S: welt

6. Remarks and explanations to the testing procedure - none -

7. Opinion concerning the dropping of burning material

The test for normal flammability shows no dropping burning material.

----- Engländerstrasse -----

Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: EN13501-1

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Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

KB-Hoch-221168

KLASSIFIZIERUNGSBERICHT

Klassifizierung des Brandverhaltens nach EN 13501-1 ¹⁾

CLASSIFICATION REPORT

Reaction to fire classification according to EN 13501-1 ¹⁾

Auftraggeber
Client

Gegenstand
Subject

"Bühnenmolton GRS"

Beschreibung
Description

schwarze Gewebe aus Baumwolle, Polyester und Viskose
black fabrics consisting of cotton, polyester and viscose

Klassifizierung
Classification

C – s2,d0

Berichtsdatum
Issue date

14.12.2022

Geltungsdauer
Validity

30.11.2027 ²⁾ (siehe Abschnitt 5.1 / confer to section 5.1)


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The report comprises 5 pages and must not be used or reproduced partially or in extracts. For legal interests, only the German wording is decisive.



¹⁾ EN 13501-1:2018


²⁾ Verlängerung auf Antrag / Prolongation on request


Prüf- und Zertifizierungsstelle
Mitglied der 
notified body: 1508

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren





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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: EN13501-1

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1. Einführung / Introduction

Dieser Klassifizierungsbericht zum Brandverhalten definiert die Klassifizierung, die dem Bauprodukt in Übereinstimmung mit den Verfahren nach EN 13501-1:2018 zugeordnet wird.

This classification report defines the classification assigned to the construction product in accordance with the procedures given in EN 13501-1:2018.

2. Beschreibung zum Bauprodukt / Description of the construction product

Das Produkt wird in den in Punkt 3.1 aufgeführten Prüfberichten, die der Klassifizierung zugrunde liegen, vollständig beschrieben. Dabei wurde das Produkt mit den folgenden Produktparametern getestet.

The product is fully described in the test reports in support of this classification listed in section 3.1. The product was tested adhering to the following product parameters.

"Bühnenmolton GRS"	
Gesamtdicke <i>total thickness</i>	≈ 1,4 mm
Flächengewicht <i>weight per unit area</i>	≈ 326 g/m ²
Farbe <i>colour</i>	schwarz <i>black</i>

Das Produkt erfüllt nach Angaben des Auftraggebers keine harmonisierte europäische technische Spezifikation (z.B. Produktnorm oder EAD).

According to the applicant, the product is not compliant with any harmonised European technical specification (e.g. product standard or EAD).


3. Prüfberichte und Prüfergebnisse als Grundlage dieser Klassifizierung


Test reports and test results as a basis for this classification

3.1. Prüfberichte / Test reports


Name des Labors <i>name of laboratory</i>	Auftraggeber <i>sponsor</i>	Prüfverfahren <i>test method</i>	Prüfbericht, Datum <i>test report, date</i>
Prüfinstitut Hoch		EN ISO 11925-2 (Einzelflammentest / <i>single flame source test</i>)	PB-Hoch-221166 14.12.2022
		EN 13823 (S3I)	PB-Hoch-221167 14.12.2022

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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: EN13501-1



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3.2. Prüfergebnisse / Test results

Prüfverfahren test method	Parameter parameter	Anzahl der Prüfungen number of tests	Prüfergebnisse test results	Anforderung für C - s2,d0 requirements
EN ISO 11925-2	F _s	4 (Insg. / total 16)	max. 60 mm	–
	F _s ≤ 150 mm Flammenausbreitung höchstens 150 mm flame spread no more than 150 mm		ja yes	erfüllt compliant
	Brennendes Abtropfen flaming droplets		nein no	erfüllt compliant

F_s Maximale vertikale Flammenausbreitung [mm].
Maximum vertical flame spread [mm].

Tabelle / Table 1: Prüfergebnis der Kleinbrennerprüfung / result of the single flame source test

Prüfverfahren test method	Parameter parameter	Anzahl der Prüfungen number of tests	Prüfergebnisse (Mittelwert) test results (average value)	Anforderung requirement
EN 13823	FIGRA _{0,2MJ}	3	149 W/s	A2 / B: ≤ 120 W/s
	FIGRA _{0,4MJ}		24 W/s	C: ≤ 250 W/s D: ≤ 750 W/s
	THR _{600s}		0,8 MJ	A2 / B: ≤ 7,5 MJ C: ≤ 15 MJ
	SMOGRA		47 m ² /s ²	s1: ≤ 30 m ² /s ² s2: ≤ 180 m ² /s ²
	TSP _{600s}		12,0 m ²	s1: ≤ 50 m ² s2: ≤ 200 m ²
	FDP		d0	d0: Kein Brennen / no flaming d1: ≤ 10 s Brenndauer / flaming d2: > 10 s Brenndauer / flaming
	LSF		erfüllt compliant	Rand der Probe nicht erreicht Sample edge not reached

Erläuterungen / remarks:

FIGRA _{0,2MJ}	Feuerwachstumswert [W/s] nach Erreichen des THR-Schwellenwertes 0,2 MJ Fire Growth Rate [W/s] after reaching a THR threshold of 0,2 MJ
FIGRA _{0,4MJ}	Feuerwachstumswert [W/s] nach Erreichen des THR-Schwellenwertes 0,4 MJ Fire Growth Rate [W/s] after reaching a THR threshold of 0,4 MJ
THR _{600s}	Gesamte freigesetzte Wärme während der ersten 600 Sekunden Beflammung [MJ] Total heat release during the first 600 seconds of flame impingement [MJ]
SMOGRA	Rauchentwicklungsrate [m ² /s ²] Smoke Growth Rate [m ² /s ²]
TSP _{600s}	gesamte freigesetzte Rauchmenge während der ersten 600 Sekunden Beflammung [m ²] Total smoke production during the first 600 seconds of flame impingement [m ²]
LSF	seitliche Flammenausbreitung bis zur Außenkante des langen Probenflügels lateral spread of flame, reaching the far edge of the large sample wing
FDP	brennendes Abtropfen während der ersten 600 Sekunden Beflammung [s] flaming droplets / particles during the first 600 seconds of flame impingement [s]

Die Berechnung der Rauchproduktionsparameter erfolgte unter Berücksichtigung der Rauchproduktion des Brenngases Propan am Hauptbrenner (siehe EN 13823:2020, Abschnitt A.6.1.2).
The calculation of the smoke production parameters was conducted considering the smoke production of the fuel gas propane burning of the main burner (cf. EN 13823:2020, section A.6.1.2).

Tabelle / Table 2: Prüfergebnisse der SBI-Prüfungen / SBI test results



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4. Klassifizierung und Anwendungsgebiet / Classification and field of application

4.1. Klassifizierung / Classification

Die Klassifizierung ist nach EN 13501-1:2018, Abschnitt 11 (Bauprodukte mit Ausnahme von Bodenbelägen) erfolgt.

This classification has been carried out acc. to EN 13501-1:2018, section 11 (construction products, excluding floorings).

Brandverhalten reaction to fire		Rauchentwicklung smoke production			Brennendes Abtropfen/Abfallen flaming droplets	
C	-	s	2	,	d	0
Klassifizierung / Classification: C – s2,d0						

4.2. Anwendungsgebiet / Field of application

Die Klassifizierung in Abschnitt 4.1 ist nur für das auf Seite 1 genannte und im Abschnitt 2 sowie den in Abschnitt 3.1 genannten Prüfberichten näher beschriebene Bauprodukt gültig.

Diese Klassifizierung gilt für folgende Endanwendungsbedingungen:

- Freihängend.
- Alternativ müssen angrenzende flächige Baustoffe mindestens der Klasse A1 oder A2-s1,d0 nach EN 13501-1 entsprechen und eine Dicke von mindestens 9 mm und eine Rohdichte von mindestens 653 kg/m³ aufweisen. Der Abstand des Produkts zu diesen Baustoffen, muss mindestens 80 mm betragen. Ausgenommen davon sind Untergründe aus Gipsplatten, die nicht in diesem Endanwendungsbereich mitinbegriffen sind.

The classification in section 4.1 is valid solely for the product referred to on page 1 and described in detail in section 2 as well as in the test reports listed in section 3.1.

This classification is valid for the following end use conditions:

- *Freely suspended.*
- *Alternatively, if fixed in front of underlying materials, these have to be at least of class A1 or A2-s1,d0 (EN 13501-1) and must have a thickness of at least 9 mm and a gross density of no less than 653 kg/m³. The distance of the product to these underlying materials must be at least 80 mm. Gypsum plasterboards are exempt as underlying materials and are not included in this end use condition.*

5. Einschränkungen / Limitations

5.1. Geltungsdauer / Duration of validity

Die Klassifizierung gilt bis zum auf Seite 1 angegebenen Datum. Sie kann nach einer Überprüfung des Brandverhaltens verlängert werden. Der Klassifizierungsbericht verliert außerdem seine Gültigkeit, wenn sich die Klassifizierungskriterien gemäß DIN EN 13501-1 ändern oder ergänzt werden, oder wenn die Produktzusammensetzung oder der Produktaufbau geändert werden.

Wenn keine kontinuierliche Überprüfung des Brandverhaltens durch den Hersteller stattfindet, verliert dieser Klassifizierungsbericht bei jeder Änderung des Produktionsprozesses, des Produktionsumfeldes, der Ausgangsstoffe oder der Zulieferer der Komponenten seine Gültigkeit. Das Brandverhalten muss dann erneut nachgewiesen werden.

This classification remains valid no later than until the date stated on page 1. It can be renewed after re-evaluation of the reaction to fire. This classification also loses its validity as soon as the classification criteria according to DIN EN 13501-1 are altered or

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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: EN13501-1

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amended, or as soon as the product formulation or its composition are altered. If the fire behaviour of the product is not continuously monitored by the manufacturer, each change in either of production process, production environment, raw materials, or chain of suppliers causes this classification to become invalid. In this case, the fire behaviour has to be reassessed.

5.2. Hinweise / Remarks

In Verbindung mit anderen Baustoffen, mit anderen Abständen, Befestigungen, Fugenausbildungen/Verbindungen, Dicken- oder Rohdichtenbereichen, Beschichtungen als in den Abschnitten 2 und 4.2 angegeben, kann das Brandverhalten negativ beeinflusst werden, so dass die Klassifizierung in Abschnitt 4.1 nicht mehr gilt. Das Brandverhalten von anderen als den oben angegebenen Parametern ist gesondert nachzuweisen.
Used in combination with other materials, esp. other substrates/backings, air gaps/voids, types of fixation joints, thickness or density ranges, coatings than those given in sections 2 and 4.2, the fire performance is likely to be influenced negatively, so that the classification assigned in section 4.1 will no longer be valid. The fire performance with parameters other than those given above has to be tested and classified separately.

Dieser Klassifizierungsbericht ersetzt nicht einen gegebenenfalls notwendigen baurechtlichen / bauaufsichtlichen Nachweis nach Landesbauordnung
This classification report is in no case a substitute for any required certification according to German building regulations.

Der Klassifizierungsbericht darf ohne vorherige Zustimmung des Prüfinstitut Hoch nur innerhalb des Geltungszeitraumes (siehe Abschnitt 5.1) und nur vollständig und nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden.
Without written consent of the test laboratory, this test report may only be published or reproduced during its denoted period of validity (cf. section 5.1), providing that no changes to appearance or content are made and the report is complete.

Dieses Dokument stellt keine Typzulassung oder Zertifizierung des Produktes dar.
This document does not represent type approval or certification of the product.

Fladungen, 14.12.2022

Sachbearbeiter
Clerk in charge


(Dipl.-Ing.(FH) Jürgen Hammer)




Leiter der Prüfstelle
Head of test laboratory


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


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Fire Test Certificate - Specimen

Fabric: Standard Molton

Type: M1

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Direction Sécurité, Structures et Feu
Division Etudes et Essais Feu

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

Selon l'article du 21 novembre 2018 modifié relatif à la réaction au feu
des produits de construction et d'aménagement
Laboratoire pilote agréé du Ministère de l'Intérieur (arrêté du 03/03/2015 modifié)

N° RA23-0244

Valable 5 ans à compter du 26 août 2023

Matériau présenté par :

Marques commerciales : Molton 1507 - 1406 Circulino
Description sommaire : Tissé ignifugé particulardage.
Composition : 75 % coton, 10 % polyester et 17 % viscose.
Masse surfacique nominale : 320 g/m²
Épaisseur nominale : 1 mm.
Couleur : noir.
Nature de l'essai : Essai au brûleur électrique
Vieillessement en chambre climatique

Classement :

M1

Durabilité du classement (Annexe 2 - Paragraphes 5) : Non limitée (côté non lavable, non nettoyable à sec et pour usage intérieur uniquement).

Compte tenu des critères résultant des essais décrits dans le rapport d'essais N° 055F-23-21933 annexé.

Ce procès-verbal atteste uniquement des caractéristiques de conformité soumise aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue donc pas une certification de produits au sens du code de la construction. Seul le rapport électronique signé avec un certificat numérique valide fait foi en cas de litige. Ce rapport électronique est conservé au CSTB pendant une durée minimale de 10 ans. La reproduction de ce rapport électronique n'est autorisée que sous sa forme intégrale.

Paris-Champs-Élysées, le 11 décembre 2023

La Référence Technique Etudes et Essais Feu

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