

DISPLAY POLYESTER

J&C Joel جتيو[™]
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Composition and Care

500 cm 3

Fire Certificates

EN13501-1 4
B1 10

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



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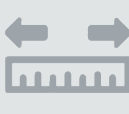
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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	Flame Retardancy	NDFR
	Fire Certification	B1, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester
	Construction of Fabric	N/A
Chemicals	Surface Treatments	N/A
	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	Non-Durably Flame Retardant. This means the fabric is chemically treated and if wet (in any way) should be retreated to meet the flammability requirements of B1 and EN13501-1. 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. 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. Commercial flame retardants 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: NDFR	Approx Roll Length: 30m / 98ft	Width: 500cm / 197"	Weight: 220 g/m ²	Fire Certification: B1, EN13501-1	Custom Dye: Yes

Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

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Klassifizierung des Brandverhaltens nach DIN EN 13501-1 Reaction to fire classification according to DIN EN 13501-1

Bericht-Nr. FLT KE3623917
Report No.

Ausstellungsdatum 2017-06-09
Date of issue

Art Materials Unbeschichtetes, flammhemmend ausgerüstetes
Gewirke aus Polyester

Description of the material *Uncoated knitted fabric made of polyester, with
a flame retardant treatment*

Bezeichnung des Materials "DirectTex Softimage creaseless premium"
Name of the material

Klassifizierung nach DIN EN 13501-1:2010
(unter den beschriebenen Bedingungen)
Classification acc. to DIN EN 13501-1:2010
(conditions as described)

B – s1, d0

Anwendungsbereich siehe / see 3.2
Field of application

Geltungsdauer siehe / see 4.1
Validity

Hinweise / Warnings :

Dieses Dokument dient nicht zur Typzulassung oder Zertifizierung eines Produktes im Sinne einer harmonisierten Norm (DIN EN) oder einer europäischen technischen Bewertung (ETA).
This document can not serve for type approval or certification of a product acc. the demands in harmonised standards or European Technical Assessments.

Dieser Klassifizierungsbericht gilt nicht als alleiniger Nachweis, wenn das geprüfte Material als Bauprodukt im Sinne einer Landesbauordnung verwendet wird.

This classification report is not the sole verification, if the tested material is used as a construction product according to a State Building Regulation.

Dieser Klassifizierungsbericht ersetzt nicht einen ggf. notwendigen baurechtlichen / bauaufsichtlichen Nachweis nach Landesbauordnungen.

This classification report is in no case a substitute for a required verification of applicability according to State Building Regulations.

Dieser Klassifizierungsbericht ist zweisprachig. Im Zweifel gilt der deutsche Wortlaut.

This classification report has been issued bilingually. In case of doubt, the German wording is valid.

Dieser Klassifizierungsbericht besteht aus Blatt 1 bis 5.
This classification report comprises 5 pages.

Anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle
Dieser Klassifizierungsbericht darf nur in vollem Wortlaut und ohne Zusätze veröffentlicht werden. Für veränderte Wiedergabe und Auszüge ist vorher die widerrufliche, schriftliche Einwilligung der ausstellenden Prüfstelle einzuholen.
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von Baustoffen
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KLASSIFIZIERUNGSBERICHT
CLASSIFICATION REPORT



Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

Klassifizierungsbericht
Classification report

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FLT KE3623917
FLT KE3623917

1. Angaben zum klassifizierten Bauprodukt

Details of the classified construction product

1.1 Art und Anwendungsbereich

Nature and end use application

Die Klassifizierung in diesem Bericht gilt für das folgende Produkt, für die unter 3.2 beschriebenen Bedingungen (gemäß Angaben des Auftraggebers):

Flammhemmend ausgerüstete und optisch aufgehellte Wirkware aus Polyester.

The classification given in this report is valid for the following product, used according to the conditions given under 3.2 (indicated by the sponsor):

Flame-retardant treated and optical brightened knitted fabric made of polyester.

Bezeichnung / Name : "DirectTex Softimage creaseless premium"

1.2 Beschreibung des Bauproduktes

Description of the construction product

Das Produkt wird in den genannten Prüfberichten, die der Klassifizierung zugrunde liegen, vollständig beschrieben.

The product is fully described in the test reports in support of this classification.

Das Produkt erfüllt angabengemäß derzeit keine europäische Produktspezifizierung und wird nicht als Bauprodukt verwendet.

According to the owner of this report, the product complies with no European product specification so far and is not intended to be used as a building supply material.

2. Prüfberichte und Prüfergebnisse für die Klassifizierung

Test reports and test results in support of this classification

2.1. Prüfberichte

Test reports

Durchgeführt von <i>Prepared by</i>	Auftraggeber <i>Sponsor</i>	Prüfverfahren <i>Test method</i>	Prüfbericht Nr. <i>Test report No.</i> (Datum / date)
FIRELABS Steinstrasse 18 D-14822 Borkheide		DIN EN 11925-2:2010	FLT E2623917 (2017-06-09)
		DIN EN 13823:2010	FLT E3623917 (2017-06-09)



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Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

Klassifizierungsbericht
Classification report

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2.2 Prüfergebnisse

Test results

Prüfverfahren / test method	Parameter / parameter	Anzahl der Prüfungen / number of tests	Ergebnisse / results	
			stetige Parameter (m) / continuous parameters (m)	diskrete Parameter übereinstimmend / compliance with parameters
DIN EN ISO 1182	ΔT [K]	-	-	./..
	t_f [s]		-	./..
	Δm [%]		-	./..
DIN EN ISO 1716	PCS ^(a) [MJ/kg]	-	-	./..
	PCS ^(b) [MJ/m ²]	-	-	./..
	PCS ^(c) [MJ/kg]	-	-	./..
	PCS ^(d) [MJ/kg]	-	-	./..
DIN EN 13823	THR _{600 s} [MJ]	4	0,36 ¹⁾	./..
	FIGRA _{0,2MJ} [W/s]		0,00 ¹⁾	./..
	FIGRA _{0,4MJ} [W/s]		0,00 ¹⁾	./..
	TSP _{600 s} [m ²]		21,37 ¹⁾	./..
	SMOGR [m ² /s ²]		0,00 ¹⁾	./..
	LFS < Kante/edge		./..	ja / yes
	brennendes Abtropfen/Abfallen flaming droplets/particles		./..	nein / no
DIN EN ISO 11925-2				
Kantenbeflammung / edge flame attack		6		
Flächenbeflammung / surface flame attack		6		
15 s Beflammung / exposure	$F_s \leq 150$ mm	-	./..	-
30 s Beflammung / exposure	$F_s \leq 150$ mm	12	./..	ja / yes
brennendes Abtropfen/ Abfallen flaming droplets/ particles	Entzündung des Filterpapiers / ignition of filter paper	-	./..	nein / no

./. nicht anwendbar / not applicable

¹⁾ Mittelwert aus den 3 maßgebenden Prüfungen / mean value from 3 decisive tests

- (a): für homogene Bauprodukte und substantielle Bestandteile von nichthomogenen Bauprodukten /
for homogeneous products and for substantial components of non-homogeneous products
- (b): für jeden äußeren nichtsubstantiellen Bestandteil von nichthomogenen Bauprodukten /
for each external non-substantial component of non-homogeneous products
- (c): für das Produkt als Ganzes / for the product as a whole
- (d): für jeden inneren nichtsubstantiellen Bestandteil von nichthomogenen Bauprodukten /
for each internal non-substantial component of non-homogeneous products



Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

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Klassifizierungsbericht
Classification report

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3. Klassifizierung und direkter Anwendungsbereich

Classification and direct field of application

Die Klassifizierung erfolgte nach DIN EN 13501-1 in der derzeit gültigen Fassung.

This classification has been carried out acc. DIN EN 13501-1 in its currently valid version.

3.1 Klassifizierung

Classification

Das Produkt gemäß Absatz 2.2 wird nach seinem Brandverhalten klassifiziert:

The product according to chapter 2.2 in relation to its fire behaviour is classified:

B

Die zusätzliche Klassifizierung für die Rauchentwicklung ist:

The additional classification in relation to smoke production is:

s1

Die zusätzliche Klassifizierung für das brennende Abtropfen/Abfallen ist:

The additional classification in relation to flaming droplets/particles is:

d0

Das Format der Klassifizierung des Brandverhaltens für Bauprodukte mit Ausnahme von Bodenbelägen und Rohrisolierungen und elektrischen Kabeln ist:

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation and electric cables is:

Brandverhalten <i>Fire behaviour</i>		Rauchentwicklung <i>Smoke production</i>			Brennendes Abtropfen/Abfallen <i>Flaming droplets/particles</i>
B	-	s	1	,	d 0

oder / or

B - s1, d0

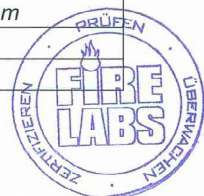
3.2 Anwendungsbereich

Field of application

Die Klassifizierung ist nur für folgende Kennwerte und Endanwendungsbedingungen gültig:

The classification is valid solely for the following product parameters and end use conditions:

Bezeichnung des Materials / <i>name of material</i>	"DirectTex Softimage creaseless premium"
Gesamtflächengewicht / <i>weight per unit area [g/m²]</i>	216 ± 0,05
Dicke / <i>thickness [mm]</i>	0,39 ± 0,02
Farbe / <i>colour</i>	weiß / <i>white</i>
Beschichtungen / <i>coatings</i>	keine / <i>none</i>
Lagen / <i>layers</i>	freihängend, 1-lagig / <i>freely suspended, one single layer</i>
Stoffliche Zusammensetzung / <i>composition</i>	keine Veränderungen / <i>no variations</i>
Untergründe / <i>substrates</i>	keine / <i>none</i>
Angrenzende Baustoffe / <i>adjacent products</i>	Klassen A1 oder A2-s1,d0 nach DIN EN 13501-1; Dichte >870 kg/m³ im Abstand ≥ 80 mm <i>Classes A1 or A2-s1,d0 acc. DIN EN 13501-1;</i> <i>density >870 kg/m³, facing an open space ≥ 80 mm</i>
Befestigung / <i>fixing</i>	mechanisch / <i>mechanically</i>
Kantenschutz / <i>edge protection</i>	kein / <i>none</i>



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Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

Klassifizierungsbericht
Classification report

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4. Einschränkungen

Limitations

4.1 Geltungsdauer

Validity

Die Festlegungen und Bewertungen von Prüfungen des Brandverhaltens unterliegen einer ständigen Weiterentwicklung. Dies kann Änderungen in damit verbundenen Rechtsvorschriften zur Folge haben. Aus diesen Gründen wird empfohlen die sachliche Richtigkeit von Prüfberichten und von Klassifizierungsberichten, die älter als 5 Jahre sind, durch den Nutzer überprüfen zu lassen. Die Prüfstelle, die diese Berichte ausgestellt hat, kann, nach Veranlassung des Inhabers, eine Überprüfung der zugehörigen Prüfverfahren oder der Klassifizierungsgrundlagen durchführen, um die Übereinstimmung mit den gegenwärtigen Vorschriften zu gewährleisten und – falls notwendig – einen Bericht neu auszufertigen.

The specification and interpretation of fire test methods are the subject of ongoing development and refinement. Changes in associated legislation may also occur. For these reasons, it is recommended that the relevance of test and classification reports over five years old should be reconsidered by the user. The laboratory that issued the report will be able to offer, on behalf of the legal owner, a review of the procedures adopted for a particular test or classification to ensure that they are consistent with current practices and - if required- may endorse the report.

4.2 Hinweise

Warnings

In Verbindung mit anderen Baustoffen, mit anderen Abständen, Befestigungen, Fugenausbildungen/Verbindungen, Dicken- oder Dichtenbereichen, Beschichtungen, Farben als in Abschnitt 3.2 angegeben, kann das Brandverhalten so ungünstig beeinflusst werden, dass die Klassifizierung in Abschnitt 3.1 nicht mehr gilt. Das Brandverhalten von anderen als den oben angegebenen Parametern ist gesondert nachzuweisen.

Used in connection with other materials, esp. other substrates/backings, air gaps/voids, types of fixation joints, thickness or density ranges, coatings, colours than those given in chapter 3.2, the fire performance is likely to be influenced negatively, so that the classification given in clause 3.1 would no longer be valid. The fire performance of other than the parameters given above has to be tested and classified separately.

Dieser Klassifizierungsbericht wird unbeschadet der Rechte Dritter, insbesondere privater Schutzrechte, erstellt.

This classification report had been issued without prejudice to legal rights of a third party or in respect of private proprietary rights.

Dieses Dokument ist keine Typzulassung oder Zertifizierung des Produktes.

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

Borkheide, 2017-06-09


Leiter der Prüfstelle
Head of the test laboratory
Dipl.-Ing. Uwe Kühnast



Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: EN13501-1

Klassifizierungsbericht
Classification report

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FLT KE3623917

1. Angaben zum klassifizierten Bauprodukt

Details of the classified construction product

1.1 Art und Anwendungsbereich

Nature and end use application

Die Klassifizierung in diesem Bericht gilt für das folgende Produkt, für die unter 3.2 beschriebenen Bedingungen (gemäß Angaben des Auftraggebers):

Flammhemmend ausgerüstete und optisch aufgehellte Wirkware aus Polyester.

The classification given in this report is valid for the following product, used according to the conditions given under 3.2 (indicated by the sponsor):

Flame-retardant treated and optical brightened knitted fabric made of polyester.

Bezeichnung / Name : "DirectTex Softimage creaseless premium"

1.2 Beschreibung des Bauproduktes

Description of the construction product

Das Produkt wird in den genannten Prüfberichten, die der Klassifizierung zugrunde liegen, vollständig beschrieben.

The product is fully described in the test reports in support of this classification.

Das Produkt erfüllt angabengemäß derzeit keine europäische Produktspezifizierung und wird nicht als Bauprodukt verwendet.

According to the owner of this report, the product complies with no European product specification so far and is not intended to be used as a building supply material.

2. Prüfberichte und Prüfergebnisse für die Klassifizierung

Test reports and test results in support of this classification

2.1. Prüfberichte

Test reports

Durchgeführt von <i>Prepared by</i>	Auftraggeber <i>Sponsor</i>	Prüfverfahren <i>Test method</i>	Prüfbericht Nr. <i>Test report No.</i> (Datum / date)
FIRELABS Steinstrasse 18 D-14822 Borkheide		DIN EN 11925-2:2010	FLT E2623917 (2017-06-09)
		DIN EN 13823:2010	FLT E3623917 (2017-06-09)



Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: B1

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国际互认
检测
TESTING
CNAS L4743

TEST REPORT

No.: AJFTS25005838R04_EN

Date: Sep 23, 2025

Page 1 of 6

Sample Description : UFABRIK SOFT DISPLAY (STRETCH) TEXTILE
Style/Item No. : /

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Sample Receiving Date : Sep 04, 2025
Testing Period : Sep 04, 2025 to Sep 19, 2025
Test Required : DIN 4102-1:1998-05 Fire behaviour of building materials and building components, Part 1: Classification of building materials, Requirements and testing, Class B1 materials---For all materials except flooring.
Test result(s) : See attached sheet
Classification : The tested sample **meets** class **B1** materials requirements of DIN 4102-1:1998-05.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch

Eva

Eva Zhang
Approved signatory



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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: B1

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TEST REPORT

No.: AJFTS25005838R04_EN

Date: Sep 23, 2025

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I. Test conducted

This test was conducted as per DIN 4102-15:1990-05 Fire behaviour of building materials and building components – 'Brandschacht' apparatus, DIN 4102-16:2021-01 Fire behaviour of building materials and building components – 'Brandschacht' tests and DIN 4102-1:1998-05 Clause 6.2.5, and Classification according to DIN 4102-1:1998-05 Clause 6.1 Class B1 materials.

II. Sample details

General description	Fabric
Color	White
Area Density	222 g/m ²
Size of sample	190mm×1000mm & 190mm×90mm & 230mm×90mm
Exposed (tested) surface	Marking surface (see the photo)

Conditioning

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ± 2 °C, and a relative humidity of 50 ± 5 %.

III. Test results

1) "Brandschacht" Test according to DIN 4102-15 & 16

Results of "Brandschacht" Test (part 1)			
Line No.	Unit	Test direction	
		Lengthwise	Widthwise
1	Specimen fixings according to DIN 4102 part 15, table	/	/
2	Max. flame height above lower sample edge;	40	30
3	Time ¹⁾	00:50	00:46
4	Melting/burning through	Yes	Yes
	Time ¹⁾	00:02	00:02
5	Back of specimen	Yes	Yes
6	Flaming/glowing, Time ¹⁾	00:02	00:02
	Discolouring, Time ¹⁾	00:01	00:01
7	Burning droplets	Yes	Yes
	Begin 1)	00:04	00:05
	Amount	/	/
8	Specimen material falling off in separate droplets	✓	✓
9	Specimen material falling off continuously	/	/



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Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: B1

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TEST REPORT

No.: AJFTS25005838R04_EN

Date: Sep 23, 2025

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Results of "Brandschacht" Test (part 2)			
Line No.	Unit	Test direction	
		Lengthwise	Widthwise
	<u>Burning parts</u>	No	No
10	Begin 1)	/	/
11	Parts of sample falling off separately	/	/
12	Parts of sample falling off continuously	/	/
13	Duration of continued combustion on mesh base (max.)	No	No
	<u>Burner flame impairment by dripping/falling material</u>	No	No
14	Time 1)	/	/
	<u>Premature ending of test</u>	/	/
15	End of burning at specimen 1)	/	/
16	Time when test terminated (if applicable) 1)	/	/
	<u>Burning after end of test</u>	No	No
17	Duration	/	/
18	Number of specimens	/	/
19	Front of specimen	/	/
20	Back of specimen	/	/
21	Height of flame	/	/
	<u>Glowing after end of test</u>	No	No
22	Duration	/	/
23	Number of specimens	/	/
24	Front of specimen	/	/
25	Back of specimen	/	/
26	Top half of specimen	/	/
27	Bottom half of specimen	/	/
	<u>Smoke density</u>	Yes	Yes
28	≤ 400 %×min	√	√
29	> 400 %×min	/	/



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Fire Test Certificate - Specimen

Fabric: Display Polyester

Type: B1

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Results of "Brandschacht" Test (part 3)					
Line No.	Unit	Test direction			
		Lengthwise		Widthwise	
30	Residual length	/		/	
	Single results	67	66	73	72
		67	69	71	73
31	Average of the single results	67.3		72.3	
32	Smoke temperature	/		/	
	Max. of average	142.5		131.6	
33	Time ¹⁾	3:10		2:59	

Note: ¹⁾ time from start of testing

*Reduction in number of test (DIN 4102 Part 16, clause 6.2)

Class B1 materials:

If the residual length measured after the first test is 45cm or greater, further tests are not required.

2) Ignitability test according to DIN 4102-1 Clause 6.2.5

a) Surface ignition

Fire application time: 15s

Parameter	Lengthwise					Widthwise				
	1	2	3	4	5	6	7	8	9	10
Whether or not flaming extinguished before reach the gauge mark (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No	No	No	No	No	No
Time for the flame tip to reach the gauge mark (s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Afterflame time (s)	0	0	0	0	0	0	0	0	0	0
Max. flame height (cm)	4	3	4	3	5	4	3	3	4	4
Molten dripping (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				



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b) Edge ignition

Fire application time: 15s

Parameter	Lengthwise					Widthwise				
	1	2	3	4	5	6	7	8	9	10
Whether or not flaming extinguished before reach the gauge mark (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No	No	No	No	No	No
Time for the flame tip to reach the gauge mark (s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Afterflame time (s)	0	0	0	0	0	0	0	0	0	0
Max. flame height (cm)	5	4	3	4	4	4	3	4	4	3
Molten dripping (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				

Note: NA = Not applicable

IV. DIN 4102-1:1998-05 Criteria for classification

1) All materials, except flooring, may be classed as **B1** materials if they meet the following requirements a) and b):

a) The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if:

- The mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause 10.1 of DIN 4102-16) of each specimen is at least 15 cm and no individual values are lower than 0 cm,
- The mean effluent temperature does not exceed 200 °C in any test,
- The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.

b) Pass DIN 4102-1:1998-05 sub-clause 6.2.5 Ignitability Test if:

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

2) Materials may be classed as **B2** materials if they pass the ignitability test specified in DIN 4102-1:1998 subclause 6.2.5:

For each specimen, flaming doesn't reach the gage mark (150mm marks) within 20s after flame application.

3) Combustible materials which cannot be classed as B1 or B2 materials shall be classed as **B3** materials.



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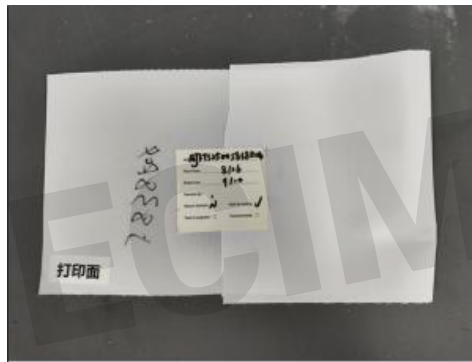
STATEMENTS:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

This test report does not replace any mandatory certification of the product that may be required.

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 and smoke hazard of the product in use.

Photo Appendix:



SGS authenticate the photo on original report only

*** End of Report ***



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