

LEITAT

managing technologies

CERTIFICATE OF CLASSIFICATION, ACCORDING TO THEIR FIRE REACTION PROPERTIES, OF TEXTILE SUSPENDED ELEMENTS

SI basic document - Safety in case of fire

LEITAT – Technological Center

CERTIFIES

that the material intended for use as a suspended textile element,
referenced as

LUPO-LIRA

presented by the manufacturer

INDETEX
Rue du Mont Gallois, 58
7700 - MOUSCRON
BELGIUM

and according to the certification technical report number **IN-01951/2018-C-E**
of this laboratory, carried out according to the standards
UNE-EN 1101:1996/A1:2005 and **UNE-EN 13772:2011**

COMPLIES

with the requirements of the standard **UNE-EN 13773:2003**, obtaining a
classification:

CLASS 1

Terrassa, September 14th, 2018

Sergi Artigas
Corporation Development Manager



Josep Ma Pallarès
Certification Supervisor

Firmado digitalmente por Jose Ma Pallares Solei
Nombre de reconocimiento (DN): cn=E5, o=Jose Ma Pallares Solei,
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givenName=Jose Ma, 1.3.6.1.4.1.17326.30.3=GD8360232,
o=ACONDICIONAMIENTO TERRASENSE, ou=EPIS-CERTIFICACIONES,
title=SUPERVISOR EPIS, 2.5.4.13=Qualified Certificate: CAM-PF-SI-495C
Fecha: 2018.09.14 12:59:40 +02'00'



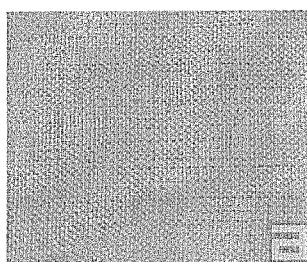
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leitat@leitat.org - http://www.leitat.org

CERTIFICATION TECHNICAL REPORT FOR CONSTRUCTION PRODUCTS	
Report No.:	
IN-01951/2018-C-B	
Applicant company:	INDETEX
Address:	RUE DUMONT GALLOI n°58
ZC – Location:	7700 MOUSCRON
Province:	MOUSCRON
Country:	BELGIUM

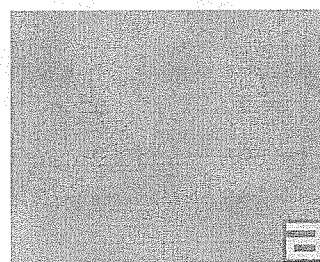
DESCRIPTION OF THE PRESENTED MATERIAL

100% blackout polyester fabric with the following technical characteristics, according to the information provided by the applicant:

Pictures of the presented material:



Front side



Back side

Reference or trade name of the product:	LUPO-LIRA
Use or final disposition:	Courtains
Composition:	Polyester
Weight :	300 gr/m2
Thickness:	0,7 mm
Colour:	Front side: Fabric / Back side: White

DELIVERED TECHNICAL DOCUMENTATION

Technical report **IN-01951/2018-B** issued by LEITAT on **September 14th, 2018**, which includes the following tests:

- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNITABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME).
Standard: UNE-EN 1101:1996/A1:2005
- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.
Standard: UNE-EN 13772:2011

CLASSIFICATION OF THE PRESENTED MATERIAL

According to the results obtained in the technical report number **IN-01951/2018-B**, performed on the basis of the aforementioned standards, and following the indications of **section 5** in **UNE-EN 13773:2003**, the material is classified as:

STANDARD	CRITERIA	RESULTS
UNE-EN 1101:1996/A1:2005	Ignition	Non-ignition
	Non-ignition	
UNE-EN 1102:1996	Not applicable	---
UNE-EN 13772:2011	First marking thread affected	First marking thread not affected. No residues of the flame action
	Third marking thread affected	
	Residues of the flame action appear	
CLASSIFICATION	CLASS 1	

Validated by:



Firmado digitalmente por Miguel Morera Escudé
Nombre de reconocimiento (DN): c=ES, cn=Miguel Morera Escudé,
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givenName=Miguel, 1.3.6.1.4.1.17326.30.3=G08360232,
o=ACONDICIONAMIENTO TARRASENSE, ou=STA, title=RESPONSABLE
TÉCNICO TEXTIL, 2.5.4.13=Qualified Certificate: CAM-PF-SW-KPSC
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Responsable Técnico Unidad Textil
Textile Unit Technical Manager
Miquel Morera

Terrassa, 14 de Setembre, 2018.
Terrassa, September 14th, 2018.



The tests identified with (*) are not included within the ENAC scope of accreditation.

INDETEX NV
RUE DUMONT GALLOI N°58
7700 MOUSCRON
MOUSCRON
BELGIUM

TECHNICAL REPORT

Report N°: IN-01951/2018-E
Pages: 10

PRESENTED SAMPLE

Sample description:

**Polyester blackout fabric for curtain,
Referenced as LUPO-LIRA**

Presentation date: 17-08-18

REQUESTED TESTS

- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.
Standard: UNE-EN 13772:2011
- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. COURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME). (*)
Standard: UNE-EN 1101:1996/A1:2005

Performance dates: from 17-08-18 to 14-09-18

Firmado digitalmente por Miguel Morera Escudé
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Certificate: CAM-PF-SW-KPSC
Fecha: 2018.09.14 12:37:19 +02'00'

Coordinadora Unidad Textil
Yolanda Cabrejas

Responsable Técnico Textil
Miguel Morera

Terrassa, September 14th, 2018

This report only testifies to the sample/s provided for testing or analysis remaining in the Laboratory's custody, according to the methods and conditions herein contained. Limiting professional and legal responsibility of the Laboratory to these facts. Unless otherwise specified, the testing sample/s has or have been chosen by the customer. The testing sample/s will be stored in LEITAT for one month from the date of issuance of this summary, unless otherwise mentioned by legal specifications, rules or other regulations herein contained specifying longer term. Any claim on a report must be made during the term of storage of the sample/s provided, exempting the Laboratory from any responsibility if not proceeding this way. The content of this report can not be neither partially or totally reproduced nor used for advertising purposes without expressed authorization by the Laboratory. This Laboratory is not responsible in any case for the interpretation or misuse that may be done of this report. The uncertainties arising from the test results are available to customers, if required.

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TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.

Standard: UNE-EN 13772:2011

Scope: This European standard specifies a method for measuring flame propagation in vertically oriented textile fabrics intended for curtains and draperies, whether in the form of single or multi-component fabrics (coated, padded, multi-layer, sandwich structure, and similar combinations) using a large flame ignition source.

Test equipment: Vertical flammability test equipment, JBA, no.EQ299
Chronometer, VENTIX, no.EQ1390
Anemometer, TESTO, no.PA075
Millimeter ruler, no.EQ285

Conditioning of the specimens: >24 hours at 20°C ± 2°C and 65% r.h. ± 5% r.h.

Test conditions:

Test specimens:
• Polyester blackout fabric for curtain, referenced as LUPO-LIRA
Number of specimens: 8 (4 in the lengthwise/warp direction + 4 in the widthwise/weft direction)
Dimensions of the specimens: (560 ± 2) mm x (170 ± 2) mm
Type of test:
• In original conditions
• After cleaning pre-treatment: 6 dry cleaning cycles (UNE-EN ISO 3175:2010) for tetrachloroethylene procedure.
Reference material used:
• Standard cotton fabric (MR006)
• Standard cotton marker thread (MR007)
• Standard paper filter (MR008)
Test atmosphere: 26,2°C / 62,2% r.h.
Type of gas: Propane, commercial grade
Flame application: Ignition from the bottom edge (burner inclined 30°)
Air speed: < 0,2 m/s
Temperature increase of the calorimeter between 40°C and 100°C: (3,0 ± 0,1)°C/s
Radiator application time: 30 seconds
Flame application time: 10 seconds
Flame height: 40 mm ± 2 mm
Anisotropic material: Yes
Side A: Fabric
Side B: Smooth
Date of performance: September 06 st – 13 th , 2018

Results:

Type of test: ORIGINAL	Specimen no.	Lengthwise / Warp				Widthwise / Weft			
		1	2	3	4	1	2	3	4
	Tested side	A	B	A	B	A	B	A	B
Time elapsed from flame application to marker thread breakage (s)		---	---	---	---	---	---	---	---
From the beginning to 1 st thread									
From the beginning to 2 nd thread		---	---	---	---	---	---	---	---
From the beginning to 3 rd thread		---	---	---	---	---	---	---	---
Marker yarns breakage		No	No	No	No	No	No	No	No
1 st marker thread									
2 nd marker thread		No	No	No	No	No	No	No	No
3 rd marker thread		No	No	No	No	No	No	No	No
Specimen burns and extinguishes before the 1st marker thread		No	No	No	No	No	No	No	No
Length of the damaged area (mm)		121	114	122	105	117	112	118	107
Inflamed residues that burn the filter paper		No	No	No	No	No	No	No	No

Type of test: AFTER WASHING	Specimen no.	Lengthwise / Warp				Widthwise / Weft			
		1	2	3	4	1	2	3	4
		A	B	A	B	A	B	A	B
	Tested side								
Time elapsed from flame application to marker thread breakage (s)		---	---	---	---	---	---	---	---
From the beginning to 1 st thread									
From the beginning to 2 nd thread		---	---	---	---	---	---	---	---
From the beginning to 3 rd thread		---	---	---	---	---	---	---	---
Marker yarns breakage		No	No	No	No	No	No	No	No
1 st marker thread									
2 nd marker thread		No	No	No	No	No	No	No	No
3 rd marker thread		No	No	No	No	No	No	No	No
Specimen burns and extinguishes before the 1st marker thread		No	No	No	No	No	No	No	No
Length of the damaged area (mm)		110	124	127	114	116	109	114	112
Inflamed residues that burn the filter paper		No	No	No	No	No	No	No	No

Note: See pictures in Annex 2

TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME).

Standard: UNE-EN 1101:1996/A1:2005

Scope: This standard specifies a method for measuring the ignitionability of vertically oriented textile fabrics, and of industrial products in the form of single or multi-composite fabrics (coated, padded, multi-layer, sandwich constructions and similar combinations), when subjected to a small and defined flame.

Test equipment: Vertical flammability test equipment, JBA, no.EQ299
Chronometer, VENTIX, no.EQ1390
Anemometer, TESTO, no.PA075

Conditioning of the specimens: >24 hours at 20°C ± 2°C and 65% r.h. ± 5% r.h.

Condiciones de ensayo:

Test conditons:

Test specimens:

- 100% Polyester FR fabric for curtain, referenced as Lupo - Lira

Cleaning pre-treatment: 1 Dry washing (ISO 3175.) at 30°C

Test atmosphere: 25°C / 61,7% r.h.

Air speed: < 0,2 m/s

Dimensions of the specimens: 200 mm ± 2 mm x 80 mm ± 2 mm

Number of specimens: 12 in each direction

Tested side: Outer side

Test equipment setting: Procedure B, according to UNE-EN ISO 6940:2004 - Ignition from the bottom edge (burner inclined 30°)

Flame height: 40 mm ± 2 mm

Type of gas: Propane, commercial grade

Date of performance: August 17st – September 4th, 2018

Results:

	Lengthwise / Warp		Widthwise / Weft	
	Flame application time (s)	Result	Flame application time (s)	Result
Ensayo preliminar <i>Previous test</i>	1	0	1	0
	2	0	2	0
	3	0	3	0
	4	X	4	0
	5	X	5	X
	10	0	10	0
	15	0	15	0
	20	0	20	0

Probeta nº Specimen no.	Longitudinal / Urdimbre <i>Lengthwise / Warp</i>		Transversal / Trama <i>Widthwise / Weft</i>	
	Flame application time (s)	Result	Flame application time (s)	Result
1	5	X	5	X
2	4	X	4	0
3	3	0	5	X
4	4	X	4	0
5	3	0	5	X
6	4	0	4	0
7	5	X	5	X
8	4	X	4	X
9	3	X	3	X
10	4	0	4	0
11	5	0	5	X
12	4	0	4	0

X: Ignition
0: Not ignition

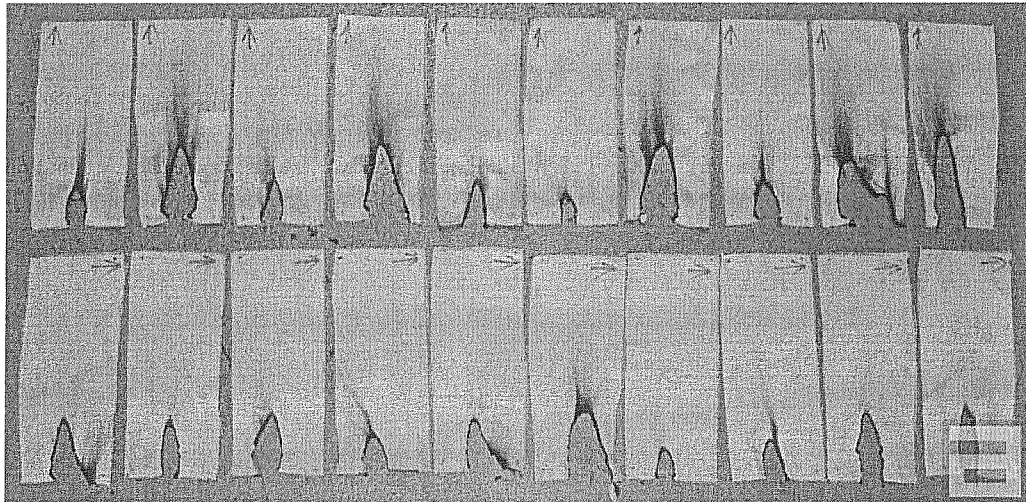
Flame application time (s)	Lengthwise / Warp		Widthwise / Weft	
	Number of ignition cases (X)	Number of not ignition cases (0)	Number of ignition cases (X)	Number of not ignition cases (0)
1	0	1	0	1
2	0	1	0	1
3	1	1	1	1
4	2	3	1	5
5	3	0	5	0
10	0	1	0	1
15	0	1	0	1
20	0	1	0	1

	Lengthwise / Warp	Widthwise / Weft
Mean ignition time (s)	3,1	3,1
Minimum ignition time (s)	3	3
Fabric ignition after 20 s	No	No

ANNEX 1: PICTURES OF THE TESTED SPECIMENS (REF.: LUPO-LIRA)

UNE-EN 1101:1996/A1:2005 - "TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME).

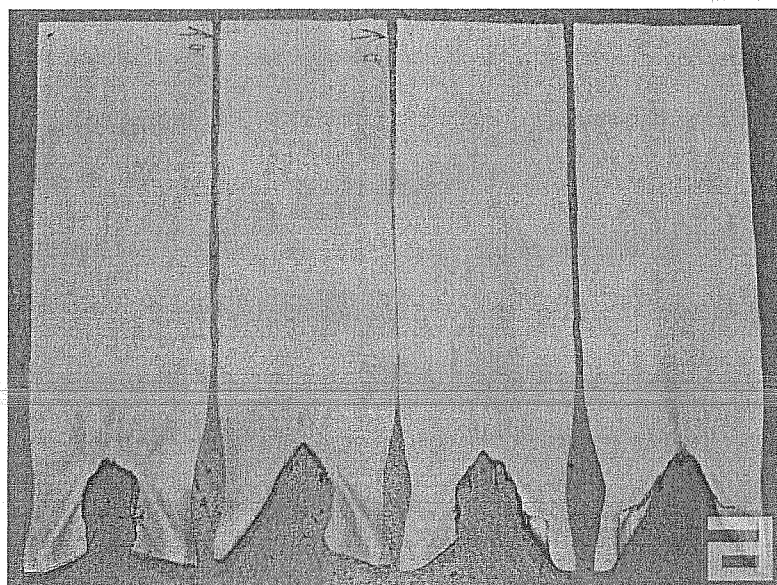
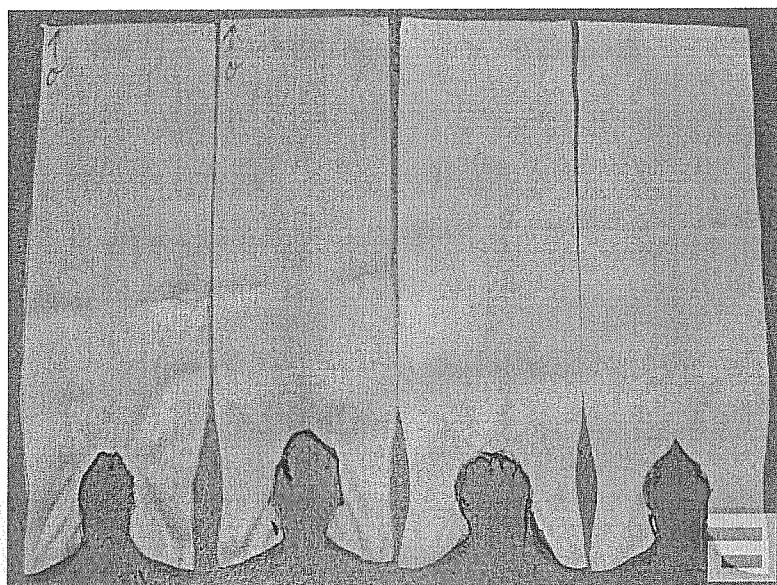
Type of test: AFTER WASHING



ANNEX 1: PICTURES OF THE TESTED SPECIMENS (REF.: LUPO-LIRA)

UNE-EN 13772:2011 – “TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.

Type of test: ORIGINAL



Type of test: AFTER WASHING

