

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

**SI Basic Document. Safety in case of fire**

LEITAT – Technological Center

**CERTIFIES**

That the material used as hanged textile element referenced as:

**CÓRCEGA**

Presented by the manufacturer:

Pepa Pastor  
C/Convento núm 36 a 42.  
Pol. Ind. Vereda Sur  
46469 Beniparrell, Valencia (Spain)

and according to the technical report of number certification **IN-01676/2018-C-E** of  
this laboratory and realized on base of the standards:

**UNE EN 1101:96/A1:05 and UNE EN 13772 :11**

**COMPLIES**

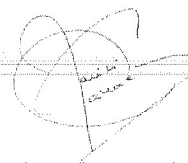
The requirements of the Standard **UNE EN 13773:2003**, obtaining a classification:

**CLASS 1**

Terrassa, August 03<sup>rd</sup>, 2018



Corporation Development Manager  
Sergi Artigas



Certification Supervisor  
Josep Mª Pallarès i Soler

Firmado digitalmente por Jose Mª  
Pallarès Soler  
Documento de reconocimiento LEITAT:  
ceES, cni:Jose Mª Pallarès Soler,  
email=legals@leitat.org,  
serialNumber=3931665411,  
sni=Pallarès Soler, givenName=Jose Mª,  
1.3.6.1.4.1.17226.30.3#G01360232,  
ou=LABORATORI TARRASENSE I/O  
TARRASENSE, ou=EPIS-  
CERTIFICACIONES, title=SUPERVISOR  
EPIS, 2.5.4.13#Qualified Certificate:  
C018FF-00405C  
Fecha: 2018.08.03 15:29:40 +02'00'

Este certificado está protegido por las  
mismas condiciones que el informe al que  
hace referencia



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Pepa Pastor  
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Pol. Ind. Vereda Sur  
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**TECHNICAL REPORT OF CERTIFICATION**

Report No.: IN-01676/2018-C-E  
Pages: 2

**PRESENTED SAMPLE**

**Sample description:**

A woven fabric sample coated in one face, with the following technical characteristics:

Reference or trade name of the product:	CÓRCEGA
Use or final disposal:	Curtains
Composition:	100% Polyester + 3 pass vinyl coating FR
Weight for unit of surface:	416.2 g/m <sup>2</sup>
Thickness:	0,6 mm
Colour:	Grey

**REQUESTED TESTS**

Technical report No IN-01676/2018-E emitted by LEITAT on date of the august 03<sup>rd</sup>, 2.018:

- TEXTILE AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNITABILITY OF VERTICALLY ORIENTED SPECIMENS (SAMLL FLAME).  
Standard UNE EN 1101:96/A1:05
- TEXTILE AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.  
Standard UNE-EN 13772:11

Performance dates: from 23/07/18 to 03/08/18



**Technical Responsible**  
Gemma Ferrer

Terrassa, August 03<sup>rd</sup>, 2018

**CLASSIFICATION**



- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. CLASSIFICATION SCHEME  
 Standard UNE EN 13773:03

According to the results obtained in the report IN-01676/2018-E

<i>Standard</i>	<i>Criterion</i>	<i>Result</i>
UNE EN 1101:96/A1:05	Ignition	<b>Not ignition</b>
	Not ignition	
UNE EN 1102:96	Third yarn of marking affected	Not apply
	Appearance of the remains of the flame action	
UNE EN 13772:11	First yarn of marking affected	<b>First yarn of marking not affected and there is not remains of the flame action</b>
	Third yarn of marking affected	
	Appearance of the remains of the flame action	

**ACCORDING TO THE POINT 5.2 OF THE STANDARD UNE EN 13773:03 THE CLASSIFICATION OBTAINED FOR THIS MATERIAL IS:**

**CLASS 1**

Pepa Pastor  
C/Convento núm 36 a 42.  
Pol. Ind. Vereda Sur  
46469 Beniparrell, Valencia (Spain)

## TECHNICAL REPORT

Report Nº: IN-01676/2018-E  
Pages: 5

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- TEXTILE AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.  
Standard UNE EN 13772:11



Reaction to Fire Technical Manager  
Gemma Ferrer

Elaborado por: Gemma Ferrer  
Revisado por: Gemma Ferrer  
Aprobado por: Gemma Ferrer  
Fecha: 2018/06/15 15:31:02



**DETERMINATION OF THE IGNITABILITY OF VERTICALLY ORIENTED SPECIMENS  
 (SMALL FLAME)**

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

**Scope:** This test aims to determine the ignitability of textile fabrics orientated vertically when they submit to a small and defined flame.

**Equipment used:** Chronometer, Vertical propagation, Anemometer

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

**Test conditons:**

Previous treatment:

- **DOMESTIC WASHING: UNE EN ISO 6330:2012**
- TEMPERATURE: 30°C (3N)
- CYCLES: 1
- DRYING: C - Flat (final drying)

Sample type: Monolayer

Specimen dimensions: 200±2mm x 80±2mm

Number of specimens: 8 in every direction

Test side: Exterior

Test atmosphere : (10-30)°C – (15-80)% Rh

Speed air < 0,2 m/s

Procedure: combustion for the inferior edge, inclined lighter 30°

Type of gas: Commercial propane

**Results obtained:**

Nº of specimen	Longitudinal		Transversal	
	Time of flame (s) application	Result (*)	Time of flame (s) application	Result (*)
1	1	0	1	0
2	2	0	2	0
3	3	0	3	0
4	4	0	4	0
5	5	0	5	0
6	10	0	10	0
7	15	0	15	0
8	20	0	20	0

(\*) x: ignition, 0: not ignition

Time in seconds	Longitudinal		Transversal	
	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	0	1	0	1
4	0	1	0	1
5	0	1	0	1
10	0	1	0	1
15	0	1	0	1
20	0	1	0	1

	Longitudinal	Transversal
Average time of ignition	---	---
Minimum time of ignition	---	---
Ignition of the fabric $\leq 20$ s	No	No
Observations:	----	

**CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE**

Standard UNE EN 13772:11

**Concept:** Method to determine the burning behaviour of curtains and drapes, single-layer or multi-layer fabric (covered, padded, multilayer, sandwich structure and similar combinations) using the measurement of flame spread vertically oriented specimens with large ignition source

**Equipment used:** Vertical combustion, Chronometer, Anemometer, Ruler.

**Specimen conditioning:** 24 hours at (20±2)°C and (65±5)%hr.

**Test conditions:**

Previous treatment:

- ORIGINAL
- DOMESTIC WASHING: UNE EN ISO 6330:2012
  - TEMPERATURE: 30°C (3N)
  - CYCLES: 12
  - DRYING: C - Flat (final drying)

Flame application: Inferior edge ignition

Lighter position: I Inclined 30° with regard to the vertical

Vertical movement of the air: 0,2 m/s

Increase of the calorimeter temperature among 40°C and 100°C: 3,0±0,1 °C/s

Time of radiator application: 30 s

Time of flame application: 10 s

Flame height: 40 ± 2 mm

Type of gas: Propane

Number of specimens: Direction Warp: 4, direction Weft: 4

**Results obtained:**

ORIGINAL	Warp				Weft			
	1	2	3	4	1	2	3	4
Specimens N°	1	2	3	4	1	2	3	4
Average time of flame spread (s)								
From the beginning to 1 <sup>st</sup> yarn	0	0	0	0	0	0	0	0
From the beginning to 2 <sup>nd</sup> yarn	0	0	0	0	0	0	0	0
From the beginning to 3 <sup>er</sup> yarn	0	0	0	0	0	0	0	0
Number of specimens that burn to								
The 1 <sup>er</sup> yarn	No	No	No	No	No	No	No	No
The 2 <sup>nd</sup> yarn	No	No	No	No	No	No	No	No
The 3 <sup>er</sup> yarn	No	No	No	No	No	No	No	No
Number of specimens that have not been burned	1	1	1	1	1	1	1	1
Number of specimens that have been turned on but are turned off before the 1er yarn marker	0	0	0	0	0	0	0	0
Afterglow (s)	0	0	0	0	0	0	0	0
Length of the damaged area (mm)	142	150	140	135	110	135	142	125
Flame reaches the upper limit of the specimens	No	No	No	No	No	No	No	No
Flaming debris that ignites the filter paper	No	No	No	No	No	No	No	No
Observations								

12 WASHES CYCLES	Warp				Weft			
	1	2	3	4	1	2	3	4
Specimens N°								
Average time of flame spread (s)								
From the beginning to 1 <sup>st</sup> yarn	0	0	0	0	0	0	0	0
From the beginning to 2 <sup>nd</sup> yarn	0	0	0	0	0	0	0	0
From the beginning to 3 <sup>er</sup> yarn	0	0	0	0	0	0	0	0
Number of specimens that burn to								
The 1 <sup>er</sup> yarn	No	No	No	No	No	No	No	No
The 2 <sup>nd</sup> yarn	No	No	No	No	No	No	No	No
The 3 <sup>er</sup> yarn	No	No	No	No	No	No	No	No
Number of specimens that have not been burned	1	1	1	1	1	1	1	1
Number of specimens that have been turned on but are turned off before the 1er yarn marker	0	0	0	0	0	0	0	0
Afterglow (s)	0	0	0	0	0	0	0	0
Length of the damaged area (mm)	139	151	143	130	120	148	132	130
Flame reaches the upper limit of the specimens	No	No	No	No	No	No	No	No
Flaming debris that ignites the filter paper	No	No	No	No	No	No	No	No
Observations	----							