



Testing. Advising. Assuring.

# Test report

## No. 2016-1058

issued 16.02.2016

**Applicant:**

BANCROFT SOFT FURNISHINGS LTD  
6 RUSSELL COURT, WOOLGATE  
BINGLY, BDIG IPE

**Date of order:**

**15.01.2016**

**Date of sampling:**

**no official taking out of the specimen from a  
representative of the Exova Warringtonfire, Frankfurt**

**Date of delivery:**

**15.01.2016**

**Date of test:**

**16.02.2016**

**Order:**

Determination of the ignition time according to EN 1101 (ISO 6940) and of the vertical flame spread according to DIN EN 13772 with classification to DIN EN 13773.

**Description / designation of the test object**

Cream Montana FR Blackout 100 % Polyester 380 g/qsm

**Description of the relevant test procedure**

DIN EN 1101 (09-2005) I. g. EN ISO 6940 (Version 1995)

DIN EN 13772 (04-2011)

DIN EN 13773 (05-2003)

## 1. Description of the test material

### 1.1 Details of the customer:

Cream Montana FR Blackout 100 % Polyester 380 g/qsm

Intended end use  
of product:                      Drapery

### 1.2 At the specimen preparation from Exova Warringtonfire, Frankfurt determined values:

Coatet fabric

Colour:                          cream

Thickness:                      0,59 mm (average)

Square weight:                366 g/m<sup>2</sup> (average)

Pretreatment:                Material tested as delivered

Testing after clima storing 23°C and 50% humidity

**2.1.1 Test sheet according to DIN EN 1101 (09-2005) or EN ISO 6940 (version 1995)**  
(Determination of the ignition time)

**Test room:** 21°C / 40% r. L.F.

Ignition times: 1 - 4 s

Specimen no.		1	2	3	4	5	6	7	8
Test direction	L/C	L	L	L	L	C	C	C	C
Kind of ignition	E/S	E	E	E	E	E	E	E	E
Ignition time	[s]	1	2	3	4	1	2	3	4
Total burn time	[s]	1	2	3	4	1	2	7	4
After flame time	[s]	0	0	0	0	0	0	4	0
After glow time	[s]	1	5	5	6	1	5	5	5
After flaming ≥ 5 [s]	yes/no	no	no	no	no	no	no	no	no
Reaching of the upper edge of the specimen	yes/no	no	no	no	no	no	no	no	no
Reaching the side edges	yes/no	no	no	no	no	no	no	no	no
Drop of from sample parts*		-	-	-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-	-	-
Ignition	yes/no	no	no	no	no	no	no	no	no

If not the case, - L = length S = surface E =edge

Remarks: none

EN ISO 6940 (1995) paragraph 8.6

*...The ignition has taken place, if either the flame on the sample further on at least 5 seconds after the flame is removed, or remove the sample after the flame blows up to the top edge or edges to the vertical.*

**2.1.2 Test sheet according to DIN EN 1101 (09-2005) or EN ISO 6940 (version 1995)**  
(Determination of the ignition time)

**Test room: 21°C / 40% r. L.F.**

Ignition times: 1 - 20 s

Specimen no.		9	10	11	12	13	14	15	16
Test direction	L/C	L	L	L	L	C	C	C	C
Kind of ignition	E/S	E	E	E	E	E	E	E	E
Ignition time	[s]	5	10	15	20	5	10	15	20
Total burn time	[s]	7	11	8	10	8	11	14	15
After flame time	[s]	2	1	0	0	3	1	0	0
After glow time	[s]	6	6	5	5	5	7	7	6
After flaming $\geq$ 5 [s]	yes/no	no	no	no	no	no	no	no	no
Reaching of the upper edge of the specimen	yes/no	no	no	no	no	no	no	no	no
Reaching the side edges	yes/no	no	no	no	no	no	no	no	no
Drop of from sample parts*		-	-	-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-	-	-
Ignition	yes/no	no	no	no	no	no	no	no	no

If not the case, - L = length C = crosswise S = surface E =edge

Remarks: none

Determined ignition time: none

EN ISO 6940 (1995) paragraph 8.6

*...The ignition has taken place, if either the flame on the sample further on at least 5 seconds after the flame is removed, or remove the sample after the flame blows up to the top edge or edges to the vertical.*

**2.2.1 Test results according to DIN EN 13772:**

(Determination of the vertical flame spread)

Impact time of the radiator: 30s

Ignition time: 10 s

Specimen no.		1	2	3	4	5	6
Test direction	L/C	L	L	L	C	C	C
Kind of ignition	S/E	E	E	E	E	E	E
Ignition time	[s]	10	10	10	10	10	10
Total burn time	[s]	15	20	20	10	10	10
After flame time	[s]	5	10	10	0	0	0
After glow time	[s]	5	6	6	4	6	6
Reaching the 1. mark in	[s]	-	-	-	-	-	-
Reaching the 2. mark in	[s]	-	-	-	-	-	-
Reaching the 3. mark in	[s]	-	-	-	-	-	-
Flame spread v1	[mm/min]	0	0	0	0	0	0
Flame spread v2	[mm/min]	0	0	0	0	0	0
Flame spread v3	[mm/min]	0	0	0	0	0	0
Separating of sample parts*		-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-
Destroyed area length	[mm]	150	180	170	130	150	140
Destroyed area width	[mm]	100	110	100	80	100	80

If not the case, - L = length C = crosswise S = surface E =edge

**Remarks:** No difference of the burning behaviour of front and backside

## 2.2.2 Appearance of the specimen after the tests

Specimen after the test according to EN 13772 length and cross to direction of production



### 3. Classification:

The material described in chapter 1 fulfills the requirements of the class 1 according to DIN EN 13773.

Classification DIN EN 13773				
Determination of ignition time according to EN 1101 (ISO 6940)				
ignition		No ignition		
Determination of vertical flame spread according to DIN EN 1102		Determination of vertical flame spread according to DIN EN 13772		
class 5 3. marking thread broken or burning falling sample parts	class 4 3 marking thread didn't break any falling burning sample	class 3 3. marking thread broken or burning falling sample parts	class 2 3. marking thread didn't break any falling burning sample parts	class 1 1. marking thread didn't break, no falling burning sample parts

### Special comment

The fire test result is only valid for the material described in chapter 1.  
 In combination with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the above classification is not any longer valid.  
 The burning behaviour in combination with other materials has to be tested separately.

Frankfurt, 16<sup>th</sup> February 2016



P. Scheinkönig  
 Tester in Charge



Dipl.-Ing. T. Zachäus  
 Head of Exova Warringtonfire Frankfurt

The results of the tests relate only to the behaviour of the test specimen which is designated in chapter one.  
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 This test report is a translation of the German version 2016-1058 (issued 16.02.2016). In case of doubt only the German version is valid.  
 The report contains 7 pages.