

## Investigation report

SAHCO GmbH  
Kreuzburger Str. 17-19  
DE 90471 Nürnberg

contact Detlef von Seyfried  
department Laboratory  
phone +49 (0) 52 1 / 543 - 498  
e-mail detlef.vonsefried@delcotex.de  
date 08.06.2022

### investigation report No. 21/3397\_1

order description: Assessment of the ignitability of upholstered furniture – cigarette test – according to DIN EN 1021-1 (2014-10)  
Assessment of the ignitability of upholstered furniture – match flame test – according to DIN EN 1021-2 (2014-10)  
Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11  
in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11  
The Furniture and Furnishings (Fire) (Safety) Regulations 1988  
ACC. TO SCHEDULE 4 PART I CIGARETTE TEST FOR VISIBLE PARTS  
Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11  
in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11  
The Furniture and Furnishings (Fire) (Safety) Regulations 1988  
ACC. TO SCHEDULE 5 PART I CIGARETTE TEST FOR VISIBLE PARTS

test samples: article "600751 Ecriture"  
sampling: by the client  
orderer: see address  
date of order: 03.09.2021  
receipt of order: 06.09.2021  
date of testing: 23.09.2021

**Remark:** The results are valid only for the tested object. The accreditation applies for the methods listed in the annex to the certificate D-PL-17323-01-00. Accredited test methods are underlined. The valuations and Interpretations in the investigation report are not subject to accreditation. Tests conducted through co-operation partners are marked with °. All information provided by the customer, which is taken over unchecked and thus reflected in the examination report, are placed in quotation marks on the first page of the investigation report. The content of this investigation report will not be passed to third persons without written approval of the orderer. The partial publication of the test report, as well as the usage for commercial process, is only allowed with a permission of the DELCOTEX Delius Techtex GmbH & Co. KG. Remnants of test material will be destroyed after 3 months. Previously stated specifications / data sheets / certificates are only characters and no warranties. Also no warranty in case of durability will be overtaken. Finally our general delivery and payment conditions are valid (please see [www.textillabor.eu](http://www.textillabor.eu)).

## Investigation report No. 21/3397\_1

### instructions for performing

**method:** Assessment of the ignitability of upholstered furniture – cigarette test – according to DIN EN 1021-1 (2014-10)

**measuring conditions:**  
**test temperature:** 20 +/- 2 °C  
**test humidity:** 65 +/- 4 %  
**room temperature:** 22,3°C  
**watersoak:** yes  
**foam:** normal flammability foam 22-24 kg/m<sup>3</sup>

### test results

#### article "600751 Ecriture"

Smouldering criteria:	cigarette 1	cigarette 2	cigarette 3
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Smoulders to extremities	no	no	no
Smoulders through thickness	no	no	no
Smoulders more than 1 hour	no	no	no
In final examination, presence of active smouldering	no	no	no
Flaming criteria:			
Occurrence of flames	no	no	no
Cigarette behaviour:			
self-extinguishment of cigarette	yes	yes	yes
Burning time (min.:sec.)	02:43	14:55	28:46

Enter „Yes“ if criteria exceeded or “No“ if criteria not exceeded

<b>Result:</b>	<b>no ignition</b>
----------------	--------------------

## Investigation report No. 21/3397\_1

### instructions for performing

**method:** Assessment of the ignitability of upholstered furniture – match flame test – according to DIN EN 1021-2 (2014-10)

**measuring conditions:**  
**test temperature:** 20 +/- 2 °C  
**test humidity:** 65 +/- 4 %  
**room temperature:** 23,1°C  
**watersoak:** yes  
**foam:** normal flammability foam 22-24 kg/m<sup>3</sup>

### test results

#### article "600751 Ecriture"

<b>Smouldering criteria:</b>	<b>Test 1</b>	<b>Test 2</b>	<b>Test 3</b>
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Smoulders to extremities	no	no	no
Smoulders through thickness	no	no	no
Smoulders more than 1 hour	no	no	no
In the final examination, presence of active smouldering	no	no	no
<b>Flaming criteria:</b>			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Flames to extremities	no	no	no
Flames through thickness	no	no	no
Flames longer than 120sec.	no	no	no

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

<b>Result:</b>	<b>no ignition</b>
----------------	--------------------

## Investigation report No. 21/3397\_1

### instructions for performing

**method:** Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11  
 in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11  
 The Furniture and Furnishings (Fire) (Safety) Regulations 1988  
 ACC. TO SCHEDULE 4 PART I CIGARETTE TEST FOR VISIBLE PARTS

**measuring conditions:**  
**test temperature:** 20 +/- 2 °C  
**test humidity:** 65 +/- 4 %  
**room temperature:** 22,5°C  
**watersoak:** yes  
**foam:** normal flammability foam 22 kg/m<sup>3</sup>

### test results

#### article "600751 Ecriture"

Smouldering criteria:	Cigarette 1	Cigarette 2
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
In the final examination, presence of active smouldering	no	no
Flaming criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Occurrence of flames	no	no
Cigarette behaviour:		
self-extinguishment of cigarette	yes	yes
Burning time [min:sec]	08:44	24:48
Beschädigter Bereich - Extent of damage		
Vertical component width/depth (mm)	12/0	52/1
Horizontal component length/width/depth (mm)	8/13/0	13/49/1

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

<b>Result:</b>	<b>no ignition NIO</b>
----------------	------------------------

## Investigation report No. 21/3397\_1

### instructions for performing

**method:** Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11  
 in accordance with BS 5852 Part 1 source 0 (1979) - Clause 11  
 The Furniture and Furnishings (Fire) (Safety) Regulations 1988  
 ACC. TO SCHEDULE 5 PART I CIGARETTE TEST FOR VISIBLE PARTS

**measuring conditions:**  
**test temperature:** 20 +/- 2 °C  
**test humidity:** 65 +/- 4 %  
**room temperature:** 21,7°C  
**watersoak:** yes  
**foam:** normal flammability foam 22 kg/m<sup>3</sup>

### test results

#### article "600751 Ecriture"

	Versuch 1 Test 1	Versuch 2 Test 2
<b>Smouldering criteria:</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
In the final examination, presence of active smouldering	no	no
<b>Flaming criteria:</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Flames longer than 120 sec	no	no
Duration of Ignition source [min:sec]	00:00	00:00
Duration of flames [min:sec]	00:21	00:22
Duration of smoke [min:sec]	00:23	00:24
<b>Extent of damage</b>		
Vertical component width/depth (mm)	21/1	19/1
Horizontal component length/width/depth (mm)	7/16/0	9/14/0

Enter „Yes“ if criteria exceeded or “No” if criteria not exceeded

<b>Result:</b>	<b>No ignition NI1</b>
----------------	------------------------

---

## Investigation report No. 21/3397\_1

### test results

**article "600751 Ecriture"**

**weight: 712,28 g/m<sup>2</sup>, thickness: 2,17 mm**

Remark:

The above test results relate only to the ignitability of the combination of materials under the particular condition of the test; they are not intended as a means of assessing the full potential fire hazard of the materials in use

A handwritten signature in blue ink, appearing to read "D. Seyfried", written over a horizontal line.

i.A. Detlef von Seyfried  
Laboratory

DELCOTEX Delius Tectex GmbH & Co. KG

Only the information in the signed test report is considered as binding.

Investigation report No. 21/3397\_1

attachment

article "600751 Ecriture"

**assessment of the ignitability of upholstered furniture – cigarette test – according to DIN EN 1021-1 (2014-10)**



**Assessment of the ignitability of upholstered furniture – match flame test – according to DIN EN 1021-2 (2014-10)**



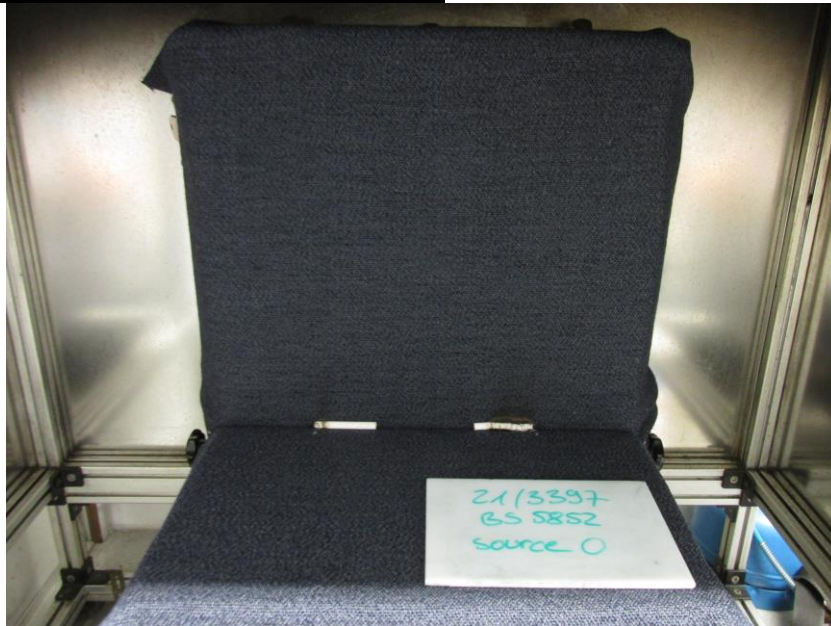


Investigation report No. 21/3397\_1

attachment

article "600751 Ecriture"

**Assessment of the ignitability of upholstered furniture – cigarette test – according to BS 5852 source 0 (2006-03) - Clause 11**



**Assessment of the ignitability of upholstered furniture – match flame test according to BS 5852 source 1 (2006-03) – 20 sec. – Clause 11**

