

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773

J&C Joel 
the inspiration behind the performance

Exova Warringtonfire, Frankfurt
Industriepark Höchst, C369
Frankfurt am Main
D-65926
Germany

T : +49 (0) 69 305 3476
F : +49 (0) 69 305 17071
E : EBH@exova.com
W: www.exova.com



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

Auftragsdatum: 13.12.2011
Datum der Probenahme: no official taking out of the specimen from a representative of the Exova Warringtonfire, Frankfurt
Eingang der Proben: 13.12.2011
Datum der Prüfungen: 11.01.2012

Auftrag:

Determination of the ignition time according to nach 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

Textile sample designated as "article (Schleier-) Nessel- and Dekomolton "

Description of the relevant test procedure

EN 1101

DIN EN 13772

DIN EN 13773 (Mai 2003)

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773

J&C Joel 
the inspiration behind the performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 2 from 6

1. Description of the test material

1.1 Details of the customer:

Textile sample designated as "article (Schleier-) Nessel and Dekomolton"

Construction: Cotton flame retardant treated

Application area: Stage area and deko area

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

Flame retardant treated cotton fabric

Colour: black

Thickness: 0,5 mm (average)

Square weight: 204 g/m² (average)

Testing after clima storing 23°C and 50% rel. Luftfeuchte.

05.04.2012

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773

J&C Joel 
the inspiration behind the performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 3 from 6

2.1.1 Test sheet according to EN 1101 (ISO 6940)

(Determination of the ignition time)

Test room: 21°C / 40% r. L.F.

Ignition times: 1 - 20 s

Specimen no.		1	2	3	4	5	6	7	8
Test direction	L/Q	L	L	L	L	Q	Q	Q	Q
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	3	4
After flame time	[s]	0	0	0	0	0	0	0	0
After glow time	[s]	0	0	0	0	0	0	0	0
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 Q = width S = surface E = edge

Remarks: none

05.04.2012

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773

J&C Joel 
the inspiration behind the performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 4 from 6

2.1.2 Test sheet according to EN 1101 (ISO 6940) (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/Q	L	L	L	L	Q	Q	Q	O
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]	5	10	15	20	5	10	15	20
After flame time	[s]	0	0	0	0	0	0	0	0
After glow time	[s]	0	0	0	0	0	0	0	0
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 Q = width S = surface E = edge

Remarks: none

05.04.2012

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 5 from 6

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/Q	L	L	L	Q	Q	Q
Kind of ignition	S/E	E	E	E	E	E	E
Ignition time	[s]	10	10	10	10	10	10
Total burn time	[s]	18	20	17	18	15	15
After flame time	[s]	8	10	7	8	5	5
After glow time	[s]	0	0	0	0	0	0
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 t v3	[mm/min]	0	0	0	0	0	0
Separating of sample parts*		-	-	-	-	-	-
Ignition of the filter paper*		-	-	-	-	-	-
Destroyed area	length [mm]	170	160	180	170	180	170
Destroyed area	width [mm]	30	30	40	40	30	40

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

Remarks: none

05.04.2012

Fire Test Certificate – Specimen

Fabric: Muslin 4.2
Type: EN13773

J&C Joel 
the inspiration behind the performance



Testing. Advising. Assuring.

Test report No. 2011-2508-1 issued 12.01.2012

page 6 from 6

3. Classification:

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

Besonderer Hinweis

The fire test result is only valid for the in chapter 1 described material.

In the composition 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 composition with other materials has to be tested separately.

This test report replaces the translation of the test report 2011-2508 from January 12th 2012 (date of signature) which is invalid from now on

Frankfurt, 04th April 2012


P. Scheinkönig
Tester in Charge


Dipl.-Ing. T. Zachäus
Laboratory Supervisor

The results of the tests relate only to the behaviour of the test specimen which is designated in chapter one.
Test reports are only allowed to be published or reproduced, not changed in form and tenor without permission of the Exova Warringtonfire, Frankfurt.
The abridged account of a test report is only allowed with the agreement of the Exova Warringtonfire, Frankfurt.
This test report is a translation of the German version 2011-2508-1 (issued 04.04.2012). In case of doubt only the German version is valid.
The report contains 6 pages.

05.04.2012