



Testing. Advising. Assuring.

Test report

No. 2014-1332

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Auftraggeber:

Ludvig Svensson AB
Bangatan 8
511 82 Kinna
Schweden

Auftragsdatum:

07.03.2014

Datum der Probenahme:

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

Eingang der Proben:

07.03.2014

Datum der Prüfungen:

27.03.2014

Auftrag:

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

Name: Volt, Material: 100% Polyester, <1 % Aluminium

Description of the relevant test procedure

EN 1101

DIN EN 13772

DIN EN 13773 (Mai 2003)

1. Description of the test material

1.1 Details of the customer:

Name: Volt, Material: 100% Polyester, <1 % Aluminium

Intended end use
of product: Vertical blinds

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

One side aluminized fabric

Colour: Front: aluminium, rear: grey (stripe design)

Thickness: 0,3 mm (average)

Square weight: 130 g/m² (average)

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

No additional surface preparation by the test laboratory.

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 - 4 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	2	1	2	3	3
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

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]	2	2	3	4	2	3	3	3
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

Determined ignition time: none

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]	10	10	10	10	10	10
After flame time	[s]	0	0	0	0	0	0
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]	160	170	160	150	150	150
Destroyed area width	[mm]	90	80	90	90	80	90

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

Remarks: none

3. Classification:

The in chapter 1 described material fulfils 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

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.

Frankfurt, 28th March 2014



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.
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This test report is a translation of the German version 2014-1332 (issued 28.03.2014). In case of doubt only the German version is valid.

The report contains 6 pages.