

Test report No. 2019-2272

for applying of a required “Verwendbarkeitsnachweis”
issued 18.12.2019

Applicant: Camira Fabrics Ltd,
Meltham Mills
Meltham Mills Road
Meltham
West Yorkshire
HD9 4AY

Date of order: 13.08.2018
Date of sampling: *no official sampling of the specimen by a representative of Warringtonfire Frankfurt GmbH*
Date of arrival: 16.08.2018
Date of test: 31.08.2018
Test no. : 2018-1689

Order

Testing of the flammability (building class B2) according to DIN 4102-1 (May 1998)

Description / designation of the test object

Product name: Cedar

Description of the relevant test procedure

DIN 4102 part 1 (Mai 1998)

This test report does not replace the required „Verwendbarkeitsnachweis“. It is only used for issuing the “Verwendbarkeitsnachweis”.

1. Description of the test material

1.1 Details of the customer:

Product name: Cedar

Product description:

Composition – 100% Polyester face with Trionyx flocked performance backcoat

Weight: 465 g/m²

Colour: Tigerlilly, Almond, Botanic

Intended end use of product: Contract Seating

1.2 By Warringtonfire Frankfurt GmbH determined values:

Fabric sample

Colour:	light brown	orange	blue
Thickness:	0,87 mm	0,94 mm	0,88 mm
Square weight:	530 g/m ²	523 g/m ²	507 g/m ²

Testing after storing 14- days under climatic conditions (23°C / 50 % rel. humidity).

2. Normal flammability test according to DIN 4102-1

Test with edge ignition without deposit
Flame application on: lower sample edge
Edge ignition

length direction: colour: light brown

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	16	20	24	16	-
Max. flame height [mm]	60	60	60	60	60
Time [s]	11	12	14	10	13
End of afterflaming [s]	1	5	9	1	>10
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	-	-	25
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

cross direction: colour: light brown

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	13	10	9	12	12
Max. flame height [mm]	60	50	50	50	50
Time [s]	10	8	8	9	9
End of afterflaming [s]	-	-	-	-	-
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	-	-	-
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

2.1 Normal flammability test according to DIN 4102-1

Test with edge ignition without deposit
Flame application on: lower sample edge
Edge ignition

length direction: colour: orange

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	17	-	-	16	-
Max. flame height [mm]	60	60	60	60	60
Time [s]	13	14	14	12	13
End of afterflaming [s]	2	>10	>10	1	>10
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	25	25	-	25
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

cross direction: colour: orange

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	22	17	-	15	-
Max. flame height [mm]	60	60	70	60	70
Time [s]	14	12	18	12	17
End of afterflaming [s]	7	2	>10	-	>10
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	25	-	25
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

2.2. Normal flammability test according to DIN 4102-1

Test with edge ignition without deposit
Flame application on: lower sample edge
Edge ignition

length direction: colour: blue

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	19	15	18	16	13
Max. flame height [mm]	50	50	50	50	50
Time [s]	12	11	12	10	9
End of afterflaming [s]	4	-	3	1	-
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	-	-	-
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

cross direction: colour: blue

Sample-no.	1	2	3	4	5
Time from start of test					
Ignition point [s]	1	1	1	1	1
Reaching the measuring mark within 20 seconds	no	no	no	no	no
Self-extinguishing of the flame [s]	12	-	21	19	24
Max. flame height [mm]	50	70	60	60	60
Time [s]	9	15	14	13	13
End of afterflaming [s]	-	>10	6	4	9
End of afterglowing [s]	-	-	-	-	-
Flames extinguished after [s]	-	25	-	-	-
Smoke development (visual impression) _{low / moderate / strong}	strong smoke development				
Separating from burning material	no	no	no	no	no
Time [s]	-	-	-	-	-

Remarks: none

Appearance of the sample after the small burner test:



Assessment

The material described in chapter one fulfils the requirements of the building class B2 according to DIN 4102-1 (Mai 1998).

Special note

The fire test result is only valid for the material described in chapter one in the tested colours, surface weight and thickness.

In combination with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the classification above is not valid any longer. According to DIN 4102-1 the burning behaviour in combination with other materials has to be tested separately.

This test report does not replace the required „Verwendbarkeitsnachweis“. It is only used for issuing the “Verwendbarkeitsnachweis”.

Frankfurt, the 18th December 2019



H. Anders
Tester in Charge



P. Scheinkönig
Prüfstellenleiter Bau-PVO



This Test report is valid until 30.08.2023.

The results of the tests relate only to the behaviour of the test specimen which is designated on the top.

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This test report is a translation of the German version 2019-2272 (issued 18.12.2019). In case of doubt only the German version is valid

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