



Testing. Advising. Assuring.

Test report no. 2017-1379-1

from 24.04.2017

Client: Concept GmbH
Am Schlag 32 b

D - 65549 Limburg

Order date: 04.04.2017
Date of sampling: No official sampling by an authorised representative
by Exova Warringtonfire, Frankfurt
Receipt of samples: 06.04.2017
Date of the exams: 21.04.2017

Order

Fire behaviour test according to DIN 53 438-3 (6/84)

Description / designation of the test item Sample

material designated as: Shootstop CP 95

Description of the underlying test methods

DIN 53 438-3 (6/84) Surface flaming

1. Description of the sample material

1.1 Information provided by the client:

Sample material designated as: Shootstop CP 95

Trade name:	Bullet trap plates
Type of material:	EVA Type of
manufacture:	Cast Total
thickness:	10 / 50 mm
colour:	white
Flame retardant:	Unknown

1.2 Values determined during sample preparation by Exova Warringtonfire, Frankfurt:

Sheet material

Colour:	transparent	transparent
Thickness:	10 mm	50 mm
Basis weight:	9.74 kg/m ²	48.5 kg/m ²

Test after climate storage at 23°C and 50% relative humidity.

2.1 Test results

DIN 53 438-3 (6/84) Surface ignition Flame attack point : 40 mm above lower sample edge Ignition time: 15 [s]

Thickness: 10 mm

Sample no.	1	2	3	4	5
Time of inflammation [s]	-	-	-	-	-
Reaching the measuring mark (150 mm) Within 20 seconds	no	no	no	no	no
Reaching the measuring mark (150 mm) Time [s]	no	no	no	no	no
Self-extinction of the flame[s]	-	-	-	-	-
Max. Flame height [mm]	10	10	10	10	10
Time [s]	1	1	1	1	1
Afterburning time [s]	-	-	-	-	-
Afterglow time [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	-	-	-
Smoke development (Visual impression) low/moderate/strong	low smoke development				
Burning falling away by date [s]	no	no	no	no	no
	-	-	-	-	-

Remarks: no

thickness: 50 mm

Sample no.	1	2	3	4	5
Time of inflammation [s]	-	-	-	-	-
Reaching the measuring mark (150 mm) Within 20 seconds	no	no	no	no	no
Reaching the measuring mark (150 mm) Time [s]	no	no	no	no	no
Self-extinction of the flame[s]	-	-	-	-	-
Max. Flame height [mm]	10	10	10	10	10
Time [s]	1	1	1	1	1
Afterburning time [s]	-	-	-	-	-
Afterglow time [s]	-	-	-	-	-
Flames extinguished after [s]	-	-	-	-	-
Smoke development (Visual impression) low/moderate/strong	moderate smoke development				
Burning falling away by date [s]	no	no	no	no	no
	-	-	-	-	-

Remarks: none

2.2 Appearance of the material after the test:

3. Assessment

The material described in section 1 meets the requirements of **class F1 / 10 mm and 50 mm** according to DIN 53 438-3 (6/84) surface flaming.

Classification according to DIN53 438-3	
Assessment criteria	Class
The upper measuring mark is not reached by the flame tip (the test specimen extinguishes by itself beforehand).	F1
The flame tip of the burning specimen reaches the upper measuring mark in 20 seconds or more	F2
The flame tip of the burning specimen reaches the upper measuring mark in less than 20 seconds	F3

4. Special note

The fire test result applies to the material described in section 1.

In combination with other materials (e.g. coatings, backings), the fire behaviour may be adversely affected so that the above classification is no longer valid. The fire behaviour of the material in combination with other materials must be verified separately.

In accordance with the experience of the test centre, the test result also includes intermediate colour combinations in the thicknesses.

This audit report replaces report 2017-1379 dated 24.04.2017 (date of signature) which is hereby invalidated.

Frankfurt, 08.05.2017



H. Anders
Responsible inspector



Dipl.-Ing. T. Zachäus
Test centre manager

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