

Test report no. 2019-1197

from 05.06.2018

Client: Concept GmbH
Amselweg 21
D-65582 Aull

Order date: 16.04.2018
Date of sampling: no official sampling by an authorised representative
from Warringtonfire Frankfurt GmbH
Receipt of samples: 18.04.2018
Date of the exams: 30.05.2018
Test number: 2018-1253

Order

Testing of the fire behaviour of materials according to DIN 53 438-2 (6/84).

Description / designation of the test object

Product name: Shootstop CP 95

Description of the underlying test procedures

DIN 53 438-2 (6/84) Edge flaming

1. Description of the sample material

1.1 Information provided by the client:

Trade name: **Shootstop CP 95**

Sample material (e.g. floor covering, coating, curtain fabric etc):

Bullet trap granules

Type of material (e.g. PES, epoxy coating, paper wallpaper etc.)

EVA

Type of manufacture (e.g. coated, woven, tufted, etc.):

extruded and hot struck off

Total thickness: **approx. 2-5 mm**

Colour: **transparent / white**

Flame retardant: **not known** Intended

use of the product:

Use as bullet trap fill on shooting ranges etc.

1.2 Values determined during sample preparation by Warringtonfire Frankfurt GmbH:

Granules

colour: transparent

Thickness of granules:

mmWeight

per unit area: 21.462 kg/m²

Test thickness: 40 mm

Arranged in mesh baskets for testing.

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

2. Test results

DIN 53 438-2 (6/84) Edge ignition Flame attack
point : lower sample edge Ignition time: 15 [s]

Longitudinal direction

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]	-	-	-	-	-
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) slight/moderate/strong	low smoke development				
Burning falling away by date [s]	no	no	no	no	no
	-	-	-	-	-

Remarks: no inflammation.

Appearance of the material after the test:



3. Assessment

The material described in section 1 achieves the requirements of **class K1** according to DIN 53 438-2 (6/84) edge flaming.

Classification according to DIN53 438-2	
Assessment criteria	Class
The upper measuring mark is not reached by the flame tip (the test specimen extinguishes by itself beforehand).	K1
The flame tip of the burning specimen reaches the upper measuring mark in 20 seconds or more	K2
The flame tip of the burning specimen reaches the upper measuring mark in less than 20 seconds	K3

4. Special note

The fire test result is only valid for the material described in section 1, in the tested colour, granulate thickness and weight per unit area.

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.

Frankfurt, 21.02.2019



H. AndersP
Responsible inspector



. Scheinkönig
Test centre manager Bau-PVO



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