MAGICFX®

CERTIFICATE.

FLAME RETARDANT.

FLAME RETARDANT CERTIFIED.

MAGIC FX metallic confetti products and streamers are designed for professional use at events and made from the highest quality, specially developed PVC which is flame retardant.

We hereby declare that MAGIC FX metallic confetti is flame retardant classification B1 according to DIN 4102-01. Please find the flame retardant certificate attached.

Boxtel, 01 March 2023

MAGIC FX B.V.

B. Veroude
CEO

THE CERTIFICATE IS ONLY VALID FOR ORIGINAL MAGIC FX CONFETTI PRODUCTS. CHECK WHETHER IT IS AN ORIGINAL MAGIC FX PRODUCT AT ALL TIMES.

METALLIC CONFETTI.
Check the MAGIC FX logo on the bulk bag packaging.

METALLIC STREAMERS.
Check the MAGIC FX logo on the polybag.

HANDHELD SHOTS.
Check the MAGIC FX logo on the shot.

ELECTRIC SHOTS.
Check the MAGIC FX logo on the shot.

Disclaimer

MAGIC FX is not liable for the misuse of the attached certificates. Using the certificates for other non MAGIC FX products is prohibited by law.

MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen

Außenstelle Erwitte • Auf den Thränen 2 • 59597 Erwitte • Telefon (0 29 43) 8 97-0 • Telefax (0 29 43) 8 97-33 • E-mail: erwitte@mpanrw.de

TEST CERTIFICATE

No. 231001702 dated 07.09.2022

English version

Sponsor: MAGIC FX
Schouwrooij 27
5281 RE Boxtel
The Netherlands

Date of order: 22.06.2022
Date of sampling: Samples taken and supplied for testing by the sponsor.
Receipt of the samples: 24.06.2022
Date of the tests: 23.08.2022

Order:

Testing for „Schwerentflammbarkeit (Baustoffklasse B1)" in accordance with DIN 4102-1 (May 1998).

Description / name of the test specimen:

Confetti floor covering made of PVC "metallic confetti"

Description of the applied test procedure:

Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests - Edition 1998-05

Fire behaviour of building materials and elements; determination of the burning behaviour of floor covering systems using a radiant heat source - Edition 1990-05

The validity of this test certificate ends on 06.07.2027. It may be extended on request.

This test certificate consists of 8 pages.

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1 Description of the testing material

1.1 Information supplied by the sponsor

Confetti floor covering made of non-conductive PVC-film segments in varying colours.

1.2 Values determined by MPA NRW

Colour of the metallically shiny confetti: a) silver, b) gold

Table 1: specific values of the tested material

		Lowest measurement	Arithmetic average	Highest measurement
Length of the film segments	mm			
a)		--	45	--
b)		--	55	--
Width of the film segments		--	18	--
Thickness of the film		--	0,06	--
Bulk density of the supplied film segments[1)]	kg/m³	--	227	--

Special remarks: 1) The confetti was supplied in plastic bags which contained a mixture of film segments in the two length listed above.

1.3 Conditioning and mounting of the samples

The supplied material was loosely distributed on standard fibre-cement substrates with the measurements (l x w) 1050 ± 5 mm x 230 ± 5 mm. The layer thickness amounted to appr. 2 mm at an average weight per unit area of 450 g/m². For the test according to DIN 4102-1 a wire-mesh cage was used, where the sample material was deposited using a fibre-cement board. The sample size was (l x w) 230 mm x 90 mm.

Prior to the test, the test specimens were stored for at least 14 days in standard climatic conditions DIN 50014-23/50-2 at a temperature of 23 °C (± 2 °C) and a relative humidity of 50 % (± 5 %) with the ambiant air circulating around the samples at all times.

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2 Test results

2.1 Results of the test according to DIN 4102-14

Specimen no.	max. burning distance (cm)	Critical radiant intensity (W/cm^2)	Smoke generation area under the curve (% * min)
1	3	≥ 1,1	32
2	3	≥ 1,1	13
3	4	≥ 1,1	12
Average values of tests 1 to 3	3	≥ 1,1	19

Specimen 1: metallic silver
Specimen 2 and 3: metallic gold

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2.2 Results of the test according to DIN 4102-1 (B2)

metallic silver

Specimen arragement: mounted in the specimen holder in a wire-mesh cage on a 6 mm thick fibre-cement substrate
Point of flame attack: sample's surface
Edge protection: without
Number of samples: 5
Date of the tests: 23.08.2022

Specimen no.		1	2	3	4	5
Time specification from start of the test	[s]					
Ignition	[s]	2	2	2	2	2
Reaching of the gauge mark	[s]	--	--	--	--	--
Self-extinguishment of the flames	[s]	15	15	15	15	15
Maximum flame height 1.- 20. sec.	[cm]	6	4	5	5	6
End of after-burning	[s]	--	--	--	--	--
End of after-glowing	[s]	--	--	--	--	--
Flames or after-glow were extinguished		--	--	--	--	--
Smoke generation		very slight				
Flaming droplets / particles	[s]	no	no	no	no	no

-- did not occur

metallic gold

Specimen arragement: mounted in the specimen holder in a wire-mesh cage on a 6 mm thick fibre-cement substrate
Point of flame attack: sample's surface
Edge protection: without
Number of samples: 5
Date of the tests: 23.08.2022

Specimen no.		1	2	3	4	5
Time specification from start of the test	[s]					
Ignition	[s]	1	1	1	3	1
Reaching of the gauge mark	[s]	--	--	--	--	--
Self-extinguishment of the flames	[s]	15	15	15	15	15
Maximum flame height 1.- 20. sec.	[cm]	6	7	6	6	7
End of after-burning	[s]	--	--	--	--	--
End of after-glowing	[s]	--	--	--	--	--
Flames or after-glow were extinguished		--	--	--	--	--
Smoke generation		slight				
Flaming droplets / particles	[s]	no	no	no	no	no

-- did not occur

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3 Appearance of the specimens after the test according to DIN 4102-14

Mounting situation of specimen 1, exemplary for all specimens

Appearance of specimen 1 after the test

Appearance of specimen 2 after the test

Appearance of specimen 3 after the test

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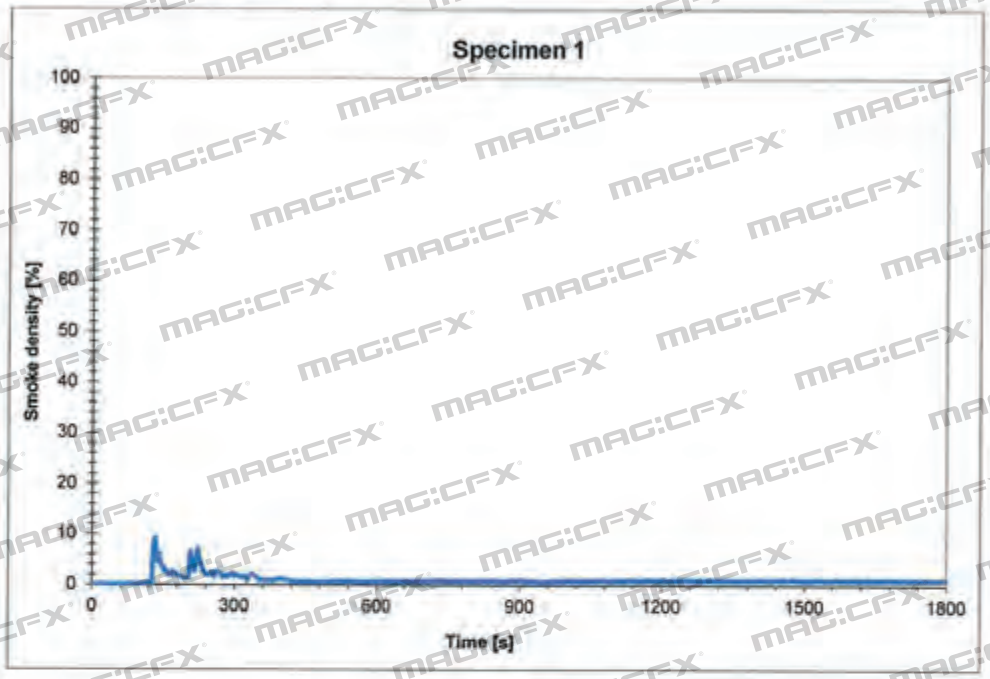
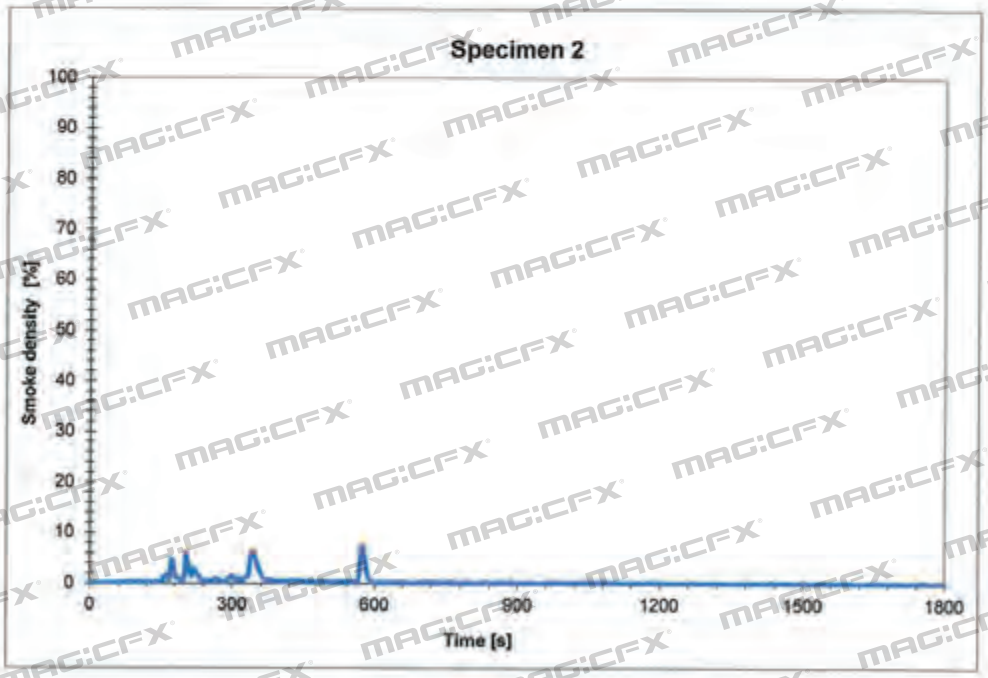
4 Smoke generation diagrams





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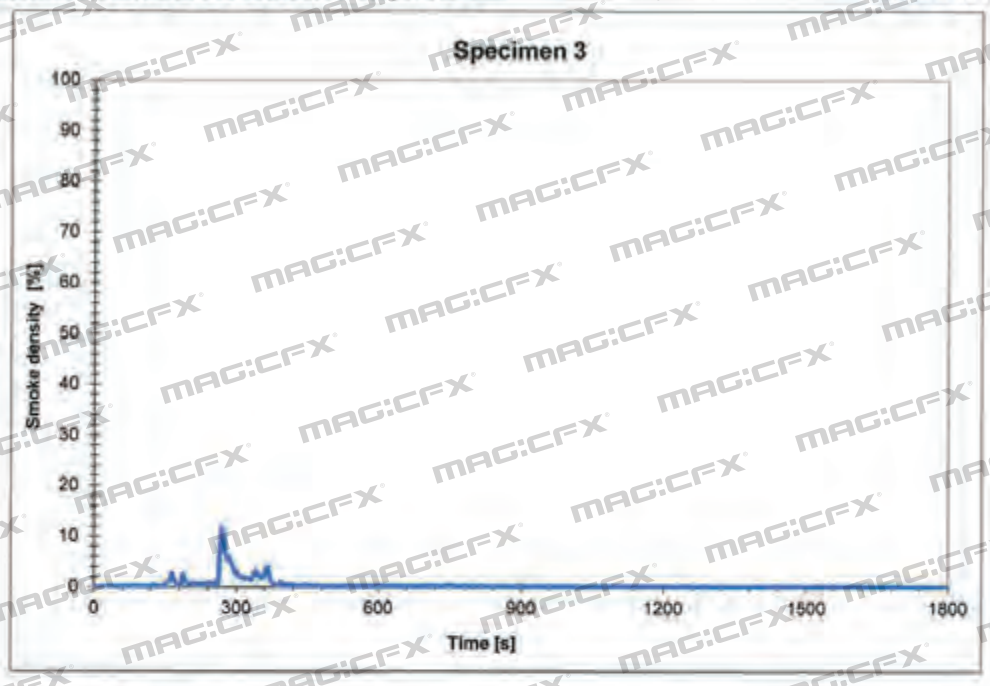

5 Evaluation

The floor covering described in section 1 fulfills the requirements of building material class B2 according to DIN 4102-1 (May 1998) section 6.2.

Furthermore, the results show that the tested floor covering also fulfills the requirements of building materials of building material class B1.

The tested material can therefore be classified as

„schwerentflammbar (Baustoffklasse B1)" according to DIN 4102-1 (May 1998).

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6 Restrictions

6.1 Validity

The test result is solely valid for the materials described in section 1:

Confetti floor covering made of non-conductive PVC-film segments in varying colours.

The measurments, weights per unit area and colour variants named in section 1 must be adhered to with a maximum permissible tolerance of ± 10 % for the individual products.

The test results are solely valid for the building products described in section 1 as horizontally laid floor coverings – glued and unglued – on solid, mineral substrates (raw density ≥ 1500 kg/m³).

In composite with other materials (i.e. additional coatings or directly arranged on other plain building products) the reaction to fire behaviour may be adversely affected which would render the above mentioned classification invalid. The reaction to fire behaviour of the material in composite with other materials will have to be determined in a separate test according to DIN 4102-1.

6.2 Note on the significance under building law

This test report does not replace a possibly required „allgemeines bauaufsichtliches Prüfzeugnis"

6.3 Validity of this test report

The validity of this test certificate expires on 06.09.2027. It may be extended on request.

This test certificate written in English language is issued additionally to the test certificate written in German language with the same certificate number. In case of doubt the German version is solely valid.

Erwitte, 07.09.2022

Head of the testing body

(Dipl.-Ing. Rademacher)

Administrator

(Albat, B.Sc.)

Date of issue of this English version: 15.09.2022

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www.magicfx.eu