



MAG:CFX®

CERTIFICATE.

BIODEGRADABLE AND FLAME RETARDANT.

BIODEGRADABLE AND FLAME RETARDANT CERTIFIED.

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

We hereby declare that MAGIC FX paper confetti is OK-biodegradable certified by TÜV and flame retardant classification B1 according to DIN 4102-01. Please find the TÜV OK-biodegradable and the flame retardant certificates attached.

Boxtel, 01 March 2023

MAGIC FX B.V.



B. Veroude
CEO



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



PAPER CONFETTI.

Check the MAGIC FX logo on the bulk bag packaging.



PAPER 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.

TÜV AUSTRIA

CERTIFICATE FOR AWARDING AND USE OF THE 'OK BIODEGRADABLE SOIL' CONFORMITY MARK

TA8032206885

Issued by TÜV AUSTRIA CERT GMBH

Product(s): Domain Group Family Type Trade mark Description / Particularities	Products Biodegradable in SOIL Finished Products Other Confetti Coloured paper to be used for confetti and streamers Colours: Dark blue, light blue, black, white, red, pink, yellow, orange, dark green & light green
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Attention: "Do not litter, collect when possible"

Licensee: Criteria:	MAGIC FX B.V. Schouwrooij 27 5281RE Boxtel The Netherlands • Certification Scheme with reference OK 10 edition C "Bio-products – degradation in soil"
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Validity: From 03 August 2022 till 03 August 2027

Conclusions of the examination: The products comply with the above mentioned certification criteria, as confirmed by the report no 65003209 / 2020-AG-1183cert.

Applicable certification system: Type examination followed by supervision through verification tests on samples from the distributor's stocks or of the market. The conformity of the product is guaranteed by the procedures for awarding and use of the 'OK biodegradable SOIL' conformity mark. This only applies for specimen bearing the 'OK biodegradable SOIL' mark.

Brussels, 03 August 2022

[Signature]

For the Certification Committee
Ph. DEWOLFS
President of the Committee

Annex 7

PM-SA-TAB-CERT-BIO-OKS-003_DETACHA_EN Rev. 02.06

This certification was carried out according to the TÜV AUSTRIA CERT procedures for certification and is regularly monitored
TÜV AUSTRIA CERT GMBH | Deutschstraße 10 | A-1230 Vienna

027167-21-6



Materialprüfungsamt Nordrhein-Westfalen

Außenstelle Erwitte • Auf den Thronen 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. 231001685-2**

dated 16.09.2022

English version

This test certificate replaces the test certificate no. 231001685 dated 06.09.2022 that is no longer valid now.

Sponsor:MAGIC FX
Schouwrooij 275281-RE Boxel
THE NETHERLANDS**Date of order:**

22.06.2022

Date of sampling:

The test material was taken and delivered by the sponsor

Receipt of the specimens:

24.06.2022

Date of the tests:

In the period 11.08.2022 to 02.09.2022

Order

Testing on building material classification B1 according to DIN 4102-1.

Description / designation of the test specimen

Paper in different colours

Description of the underlying test method

DIN 4102-1:1998-05 considering DIN 4102-15:1990-05 and DIN 4102-16:2021-01

This test certificate does not replace any required proof of usability. It serves as a basis for applying for one.

The test certificate is valid until 05.09.2027.

The test results solely relate to the above-mentioned test specimen described on page 2.

Publishing and copying of test certificates without permission of MPA NRW is only allowed without any changes of the content and the form of the report.

A shortened reproduction of test certificates needs the permission of MPA NRW.

This test certificate has 11 pages and 1 annex.



DAKKS

Gemeinsame
Akkreditierungsstelle
D-PL-11142-01-01



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1. Description of the testing material

1.1 Information by the sponsor:

Paper in different colours for the production of decorative items, e.g. confetti

Thickness: approx. 0.02 mm

Weight per unit area: approx. 22 g/m²

1.2 Values determined during sample preparation at MPA NRW:

The sponsor sent in several sheets of paper in DIN A4 size in 3 different colours (red, black and white) for the tests.

Weight per unit area: 20.7 g/m² on average

Thickness: 0.02 mm on average

To prepare the samples for the test in the "Brandschacht", individual sheets of paper were stapled together with metal staples.

Remark:

The test in the "Brandschacht" was carried out without substrate (free hanging samples).

"Brandschacht" - specimen A, D and E: made of white paper

"Brandschacht" - specimen B: made of black paper

"Brandschacht" - specimen C: made of red paper

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2. Test results

2.1 Results from the "Brandschachtprüfung" according to DIN 4102-15 and DIN 4102-16

No.		Measurements Test specimen			
		A	B	C	D
1	No. of test specimen arrangement according to DIN 4102 Part 15, table 1	1	1	1	1
2	Max. flame height above the bottom edge in	50	50	50	50
	Time ¹⁾	0:30	0:30	0:30	0:30
4	Melt through / burn through time ¹⁾	—	—	—	—
5	Observations on the backside of the specimens Flames/smouldering Time ¹⁾	—	—	—	—
6	Discolouration Time ¹⁾	—	—	—	—
7	Burning droplets Start ¹⁾	—	—	—	—
	Extent	—	—	—	—
8	Sporadic falling droplets/particles	—	—	—	—
9	Continually falling particles	—	—	—	—
10	Falling of burning particles Start ¹⁾	—	—	—	—
11	Sporadic falling particles	—	—	—	—
12	Continually falling particles	—	—	—	—
13	Duration of the burning on the screen bottom (Max.)	—	—	—	—
14	Interference of the burner flame by dripping /falling particles (material) Time ¹⁾	—	—	—	—
15	Early determination of the test End of burning at the specimen ¹⁾	—	—	—	—
16	Time of early cancellation of the test ¹⁾	—	—	—	—

¹⁾ Time counting from the start of the test

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No.		Measured values Specimen			
		A	B	C	D
	<u>Continuous burning after termination of the test</u>				
17	Duration min : s	--	--	--	--
18	Number of specimens	--	--	--	--
19	Front side of the specimen	--	--	--	--
20	Back side of the specimen	--	--	--	--
21	Flame length cm	--	--	--	--
	<u>Smouldering after termination of the test</u>				
22	Duration min : s	--	--	--	--
23	Number of specimens	--	--	--	--
	<u>Location</u>				
24	Lower part of the specimen	--	--	--	--
25	Upper part of the specimen	--	--	--	--
26	Front side of the specimen	--	--	--	--
27	Back side of the specimen	--	--	--	--
	<u>Smoke density</u>				
28	$\leq 400 \% \times \text{min}$	9	10	11	12
29	$\geq 400 \% \times \text{min}$	--	--	--	--
30	Diagram in annex no.	1	--	--	--
	<u>Residual lengths</u>				
31	Single values cm	16 46 14 40 13 46 18 24			
		11 23 30 37 35 43 46 25			
32	Average values of the single tests cm	24	30	34	28
33	Picture of the specimen on page	5	--	--	--
	<u>Smoke gas temperature</u>				
34	Max. value of the average values °C	102	113	113	114
35	Time ¹⁾ min : s	9:35	8:09	9:45	10:00
36	Diagram in annex no.	1	--	--	--
37	<u>Remarks:</u> -- = not observed or not applicable				

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Line no.		Measured values		
		Specimen		
		E		
1	No. of test specimen arrangement according to DIN 4102 Part 15, table 1	1		
2	Max. flame height above the bottom edge in cm	50		
	Time ¹⁾ min : s	0:30		
4	Melt through / burn through time ¹⁾ min : s	--		
	Observations on the backside of the specimens			
5	Flames/smouldering Time ¹⁾ min : s			
6	Discolouration Time ¹⁾ min : s	--		
7	Burning droplets Start ¹⁾ min : s	--		
	Extent			
8	Sporadic falling droplets/particles	--		
9	Continually falling particles	--		
10	Falling of burning particles Start ¹⁾ min : s	--		
11	Sporadic falling particles	--		
12	Continually falling particles	--		
13	Duration of the burning on the screen bottom (Max.) min : s	--		
14	Interference of the burner flame by dripping /falling particles (material) Time ¹⁾ min : s	--		
15	Early determination of the test End of burning at the specimen ¹⁾ min : s	--		
16	Time of early cancellation of the test ¹⁾ min : s	--		

¹⁾ Time counting from the start of the test



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Line no.		Measured values			
		Specimen			
		E			
	<u>Continuous burning after termination of the test</u>				
17	Duration min : s	--			
18	Number of specimens	--			
19	Front side of the specimen	--			
20	Back side of the specimen	--			
21	Flame length cm	--			
	<u>Smouldering after termination of the test</u>				
22	Duration min : s	--			
23	Number of specimens	--			
	<u>Location</u>				
24	Lower part of the specimen	--			
25	Upper part of the specimen	--			
26	Front side of the specimen	--			
27	Back side of the specimen	--			
	<u>Smoke density</u>				
28	$\leq 400 \% \times \text{min}$	12			
29	$\geq 400 \% \times \text{min}$	--			
30	Diagram in annex no.	--			
	<u>Residual lengths</u>	45	42		
31	Single values cm	25	30		
32	Average values of the single tests cm	36			
33	Picture of the specimen on page	5			
	<u>Smoke gas temperature</u>				
34	Max. value of the average values °C	116			
35	Time ¹⁾ min : s	9:01			
36	Diagram in annex no.	--			
37	<u>Remarks:</u>				
	-- = not observed or not applicable				

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Appearance of the samples of specimen A after the fire test in the "Brandschacht"



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2.2 Test results according to DIN 4102-1 clause 6.2 (B2 test)**2.2.1 Test with flame exposure to the edge**

Date of the tests: 18.08.2022 Number of specimen: 6
 Specimen arrangement: without substrate (free hanging) Colour: red
 Point of flame attack: bottom specimen front edge
 Edge protection: none (without edge protection)

Specimen No.	1	2	3	4	5
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	2	2	2	2
Max. flame height 1 – 20. s (cm)	3	6	4	6	6
Flames/ after glowing extinguished after	–	–	–	–	–
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no

Date of the tests: 18.08.2022 Number of specimen: 6
 Specimen arrangement: without substrate (free hanging) Colour: black
 Point of flame attack: bottom specimen front edge
 Edge protection: none (without edge protection)

Specimen No.	6	7	8	9	10
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	2	2	3	2
Max. flame height 1 – 20. s (cm)	6	3	5	7	4
Flames/ after glowing extinguished after	–	–	–	–	–
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no



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Date of the tests: 18.08.2022

Number of specimen: 6

Specimen arrangement: without substrate (free hanging)

Colour: white

Point of flame attack: bottom specimen front edge

Edge protection: none (without edge protection)

Specimen No.	11	12	13	14	15
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	2	2	2	2
Max. flame height 1 – 20. s (cm)	3	7	9	8	13
Flames/ after glowing extinguished after	--	--	--	--	--
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no

2.2.2 Test with flame exposure to the surface

Date of the tests: 18.08.2022

Number of specimen: 6

Specimen arrangement: without substrate (free hanging)

Colour: red

Point of flame attack: bottom specimen front edge

Edge protection: none (without edge protection)

Specimen No.	16	17	18	19	20
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	4	5	7	4
Max. flame height 1 – 20. s (cm)	5	7	6	7	5
Flames/ after glowing extinguished after	--	--	--	--	--
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no



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Date of the tests: 18.08.2022

Number of specimen: 6

Specimen arrangement: without substrate (free hanging)

Colour: black

Point of flame attack: bottom specimen front edge

Edge protection: none (without edge protection)

Specimen No.	6	7	8	9	10
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	3	2	2	2
Max. flame height 1 – 20. s (cm)	6	9	11	7	3
Flames/ after glowing extinguished after	--	--	--	--	--
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no

Date of the tests: 18.08.2022

Number of specimen: 6

Specimen arrangement: without substrate (free hanging)

Colour: white

Point of flame attack: bottom specimen front edge

Edge protection: none (without edge protection)

Specimen No.	11	12	13	14	15
(Times from the beginning of the test)					
Ignition (s)	1	1	1	1	1
Reaching the measuring mark (s)	no	no	no	no	no
Self-extinguishment of flames (s)	2	2	2	2	2
Max. flame height 1 – 20. s (cm)	6	7	6	5	6
Flames/ after glowing extinguished after	--	--	--	--	--
Smoke production (visual)	low				
Flaming droplets /particles, time (s)	no	no	no	no	no



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3. Assessment

The tested samples of the product described on page 2 fulfil the requirements of class B2. As the results show, the samples of the product in the tested arrangement also met the requirements for building materials in building material class B1.

Therefore, the material can be classified as

"Baustoffklasse B1"

("schwerentflammbare" building products) according to DIN 4102-1 (May 1998).

The building product does not show flaming droplets/particles.

4. Special information

The fire test result only applies to the product described on page 2 placed at a distance of ≥ 40 mm to other or the same building materials with extensive surface.

In combination with other materials (e.g. provided with additional or surface coatings or arranged at a distance of ≤ 40 mm to other or the same building materials with extensive surface), the fire behaviour can be adversely affected, so that the above classification is no longer valid. The fire behaviour of the product in combination with other materials must be verified separately according to DIN 4102-1.

The product must not be exposed to the weather outdoors.

The validity of this test certificate ends on 05.09.2027.

The labeling of the product with regard to the reaction to fire must be as follows:

DIN 4102-B1

This test certificate does not replace any necessary proof of usability required by building authorities.

Erwitte, 16.09.2022

On behalf

Dipl.-Ing. Rademacher
Head of the testing body



Date of issue of this English version: 17 October 2022

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Annex 1 of 1

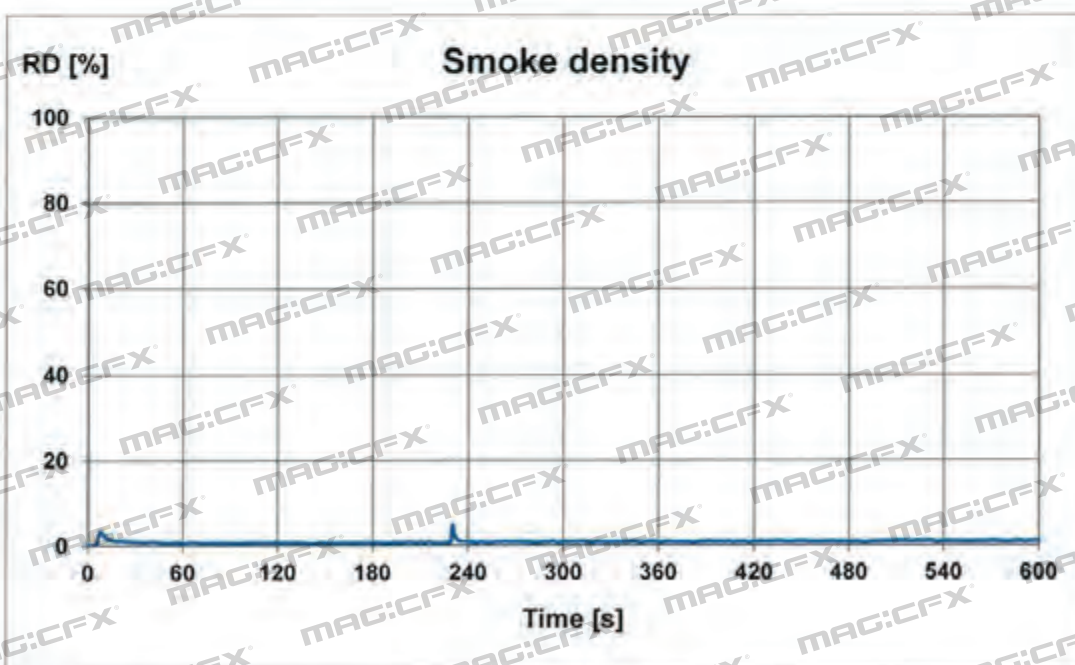
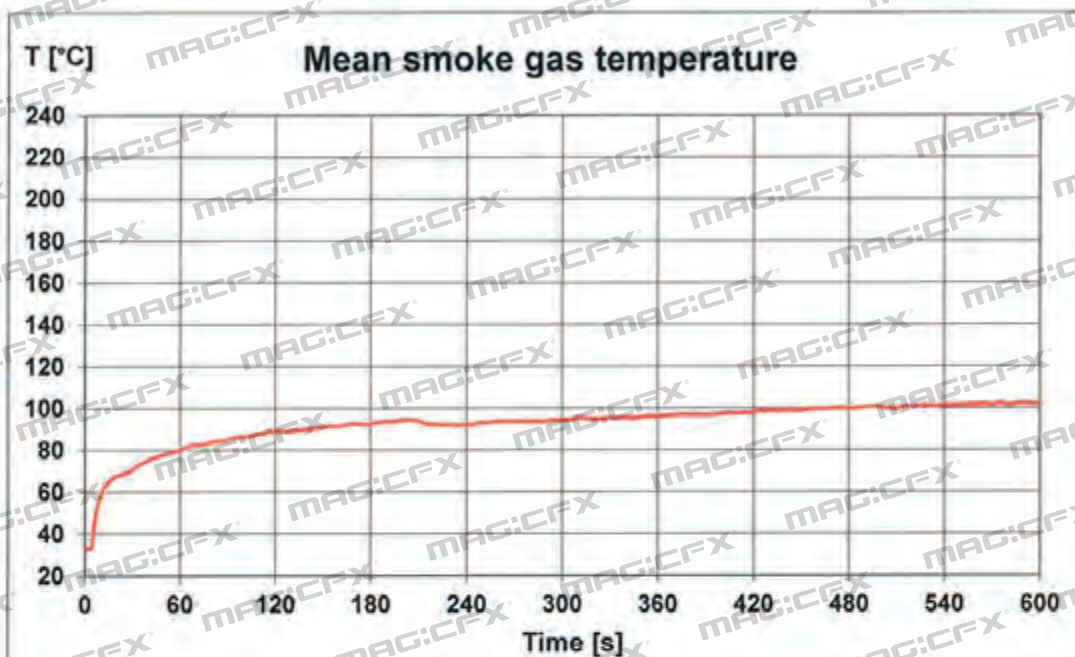


Diagram showing the smoke density and the mean smoke gas temperature of specimen A over time

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