MAGICFX®

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.

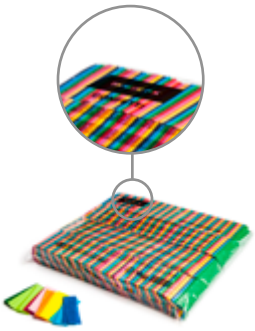
We hereby declare that MAGIC FX paper confetti is OK-biodegradable certified by TÜV and flame retardant classification B1 according to DIN 4102-01. Please find the TÜV OK-biodegradable and the flame retardant certificates attached.

Boxtel, 01 June 2024

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.

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서

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

TA8032206885

(Cancels and replaces the certificate dated 13 November 2023)

Issued by TÜV AUSTRIA GMBH

Product(s):

Domain	Products Biodegradable in SOIL
Group	Finished Products
Family	Other
Type	Miscellaneous products
Trade mark	Coloured paper to be used for confetti and streamers
Description / Particularities	Colour: dark blue, light blue, black, white, red, pink, yellow, orange, dark green, light green, purple, silver and/or gold "Do not litter, collect when possible"

Licensee:

MAGIC FX B.V.
Schouwrooij 27
5281 RE Boxtel
The Netherlands

Criteria:

• Certification Scheme with reference OK 10 edition C "Bio-products – degradation in soil"

Validity:

From 1 March 2024 till 1 March 2029

Conclusions of the examination:

The products comply with the above mentioned certification criteria, as confirmed by the report no 65003209-2024-AG-0168cert.

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.

Rotselaar, 1 March 2024

For the Certification Committee
Ph. DEWOLFS
President of the Committee

Annex: /

FM-BA-TABE-CERT-BIO-EDI-517_certificate_EN
Rev 23.10

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

049098-23-1

MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN
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. 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 27

5281 RE Boxtel
THE NETHERLANDS

Date of order: 22.06.2022
Date of sampling: The test material was taken and deliverd 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.

This test certificate has 11 pages and 1 annex.

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-11142-01-01

egolf

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen

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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

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	cm	50	50	50	50
	Time [1]	min : s	0:30	0:30	0:30	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	--	--	--	--
	Burning droplets					
7	Start [1]	min : s	--	--	--	--
	Extent					
8	Sporadic falling droplets/particles		--	--	--	--
9	Continually falling particles		--	--	--	--
	Falling of burning particles					
10	Start [1]	min : s	--	--	--	--
11	Sporadic falling particles		--	--	--	--
12	Continually falling particles		--	--	--	--
13	Duration of the burning on the screen bottom (Max.)	min : s	--	--	--	--
	Interference of the burner flame by dripping /falling particles (material)					
14	Time [1]	min : s	--	--	--	--
	Early determination of the test					
15	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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

Test Certificate No. 231001685-2 dated 16.09.2022 Page 4 of 11

No.		Measured values Specimen A	B	C	D
	Continuous burning after termination of the test				
17	Duration min : s	--	--	--	--
18	Number of specimens	--	--	--	--
19	Front side of the specimen	--	--	--	--
20	Back side of the specimen	--	--	--	--
21	Flame length cm	--	--	--	--
	Smouldering after termination of the test				
22	Duration min : s	--	--	--	--
23	Number of specimens	--	--	--	--
	Location				
24	Lower part of the specimen	--	--	--	--
25	Upper part of the specimen	--	--	--	--
26	Front side of the specimen	--	--	--	--
27	Back side of the specimen	--	--	--	--
	Smoke density				
28	≤ 400 % x min	9	10	11	12
29	≥ 400 % x min	--	--	--	--
30	Diagram in annex no.	1	--	--	--
	Residual lengths	16 46	14 40	13 46	18 24
31	Single values cm	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	--	--	--
	Smoke gas temperature				
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	Remarks: -- = not observed or not applicable				

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

Test Certificate No. 231001685-2 dated 16.09.2022 Page 5 of 11

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	--			
	Burning droplets					
7	Start [1]	min : s	--			
	Extent					
8	Sporadic falling droplets/particles		--			
9	Continually falling particles		--			
	Falling of burning particles					
10	Start [1]	min : s	--			
11	Sporadic falling particles		--			
12	Continually falling particles		--			
13	Duration of the burning on the screen bottom (Max.)	min : s	--			
	Interference of the burner flame by dripping /falling particles (material)					
14	Time [1]	min : s	--			
	Early determination of the test					
15	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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

Test Certificate No. 231001685-2 dated 16.09.2022 Page 6 of 11

Line no.			Measured values Specimen E					
	Continuous burning after termination of the test							
17	Duration	min : s	--					
18	Number of specimens		--					
19	Front side of the specimen		--					
20	Back side of the specimen		--					
21	Flame length	cm	--					
	Smouldering after termination of the test							
22	Duration	min : s	--					
23	Number of specimens		--					
	Location							
24	Lower part of the specimen		--					
25	Upper part of the specimen		--					
26	Front side of the specimen		--					
27	Back side of the specimen		--					
	Smoke density							
28	≤ 400 % x min		12					
29	≥ 400 % x min		--					
30	Diagram in annex no.		--					
	Residual lengths		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					
	Smoke gas temperature							
34	Max. value of the average values	°C	116					
35	Time [1]	min : s	9:01					
36	Diagram in annex no.		--					
37	Remarks: -- = not observed or not applicable							

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

Test Certificate No. 231001685-2 dated 16.09.2022 Page 10 of 11

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

Number of specimen: 6
Colour: black

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
Specimen arrangement: without substrate (free hanging)
Point of flame attack: bottom specimen front edge
Edge protection: none (without edge protection)

Number of specimen: 6
Colour: white

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

MPA NRW
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

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

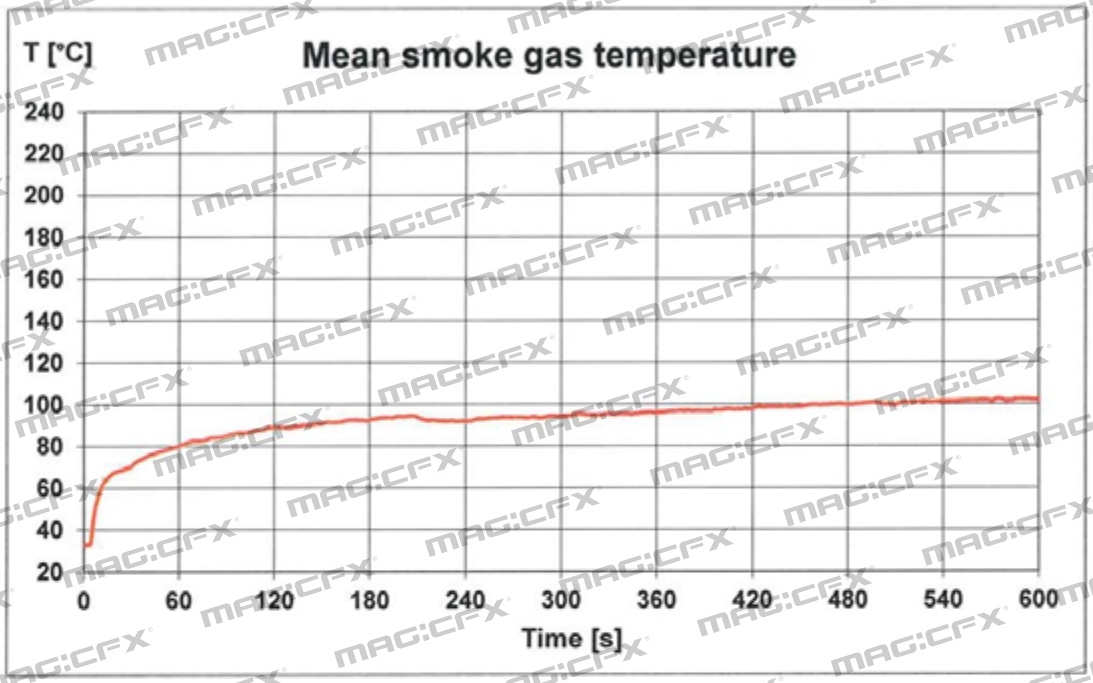
Dipl.-Ing. Rademacher
Head of the testing body

Materialprüfungsamt MPA NRW 38 Nordrhein-Westfalen

Date of issue of this English version: 17 October 2022

Materialprüfungsamt Nordrhein-Westfalen

Test Certificate No. 231001685-2 dated 16.09.2022 Annex 1 of 1



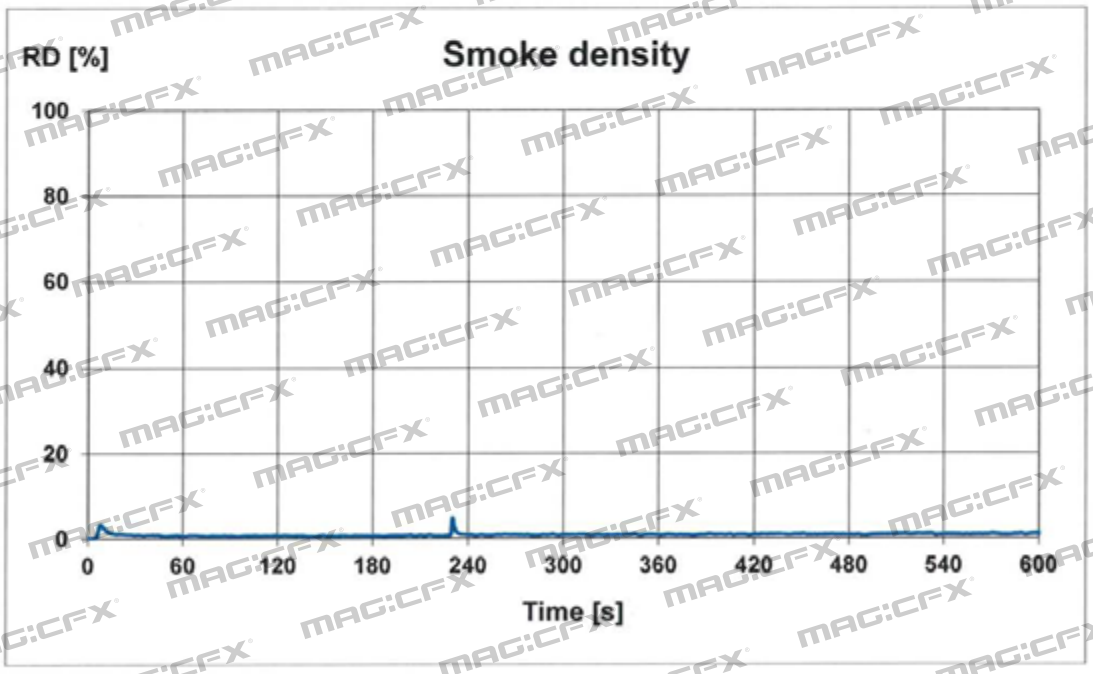


Diagram showing the smoke density and the mean smoke gas temperature of specimen A over time

MAGICFX®

www.magicfx.eu