

TEST CERTIFICATE

No. 230009966

of 23.09.2015

English version

Sponsor: MAGIC FX
Schouwrooij 27

5281 RE Boxtel
The Netherlands

Date of application: 10.03.2015
Date of sampling: Samples were sent in by the sponsor
Samples delivered on 14.08.2015
Date of testing: 31.08.2015 and 16.09.2015

Order

Testing according to DIN 4102-1 (May 1998) class B1

Description / Name of tested product

Confetti made of PVC-foil named as "METALLIC CONFETTI"

Applied test procedure

DIN 4102- 14 (May 1990), DIN 4102-1 (May 1998)

Remark: This test certificate is a translation of the original test certificate 230009966 issued 23.09.2015 in German language and is only allowed to be used together with the original test certificate.

This test certificate is valid until 22.09.2020.
The test results only relate to the above named product.
Any change in form or content to a test certificate can only be made by the approval of MPA NRW.
This test certificate consists of 8 pages.

1 Testmaterial

1.1 Name given by the sponsor: "METALLIC CONFETTI"

1.2 Description:

Confetti made of non-conductive segments of a PVC-foil in different colours

(Information given by the sponsor)

Colour of the tested, metallic shiny confetti: a) silver, b) red, c) blue

Table 1: Specific values of the tested material

		Minimum value	Arithmetic value	Maximum value
Length of the foil segments	mm			
a)		--	45	--
b)		--	55	--
Width of the foil segments			18	
Thickness of the foil			0.06	
Bulk density of the delivered foil segments ¹⁾	kg/m ³	--	227	--

Special notes: 1) The confetti was delivered in plastic bags which contain a mixture of foil segments of both above mentioned lengths.

2 Test results

2.1 Radiant Panel Test according to DIN 4102-14

Sample No. / Colour	max. distance of burning (cm)	critical irradiance (W/cm ²)	Smoke development (% * min)
1 / silver	4,0	> 1,1	6
2 / red	4,0	> 1,1	10
3 / blue	4,0	> 1,1	6
Mean values	4,0	> 1,1	7

Note: The confetti was spread all-over a fibre-cement board in a layer thickness of app. 2 mm (\triangleq av. 454 g/m²).

2.2 B2-test according to DIN 4102 Teil 1 (flaming the surface)

Note: The confetti was filled in a steel bin which was provided with a vertical, 25 mm wide gap in the middle of the front side, stringed with 10 steel wires side by side with a thickness of 0.5 mm, to prevent, that the confetti will fall out of the bin. The confetti was flamed 40 mm above the lower edge of the bin through the wires.

Flaming of the silver confetti

Sample no. (Times stated from start of test)	1	2	3	4	5
Ignition (s)	2	2	2	2	2
Flame passing the limit mark (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Self-extinguishment (s)	15	15	15	15	15
Max. height of the flame (cm)	4	4	5	4	4
Continuous burning (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Continuous smouldering (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Extinguishment of flames after (s)	--	--	--	--	--
Smoke development	low				
Falling of burning particles (time) (s)	no	no	no	no	no

1) Did not occur

Flaming of the red confetti

Sample no. (Times stated from start of test)	1	2	3	4	5
Ignition (s)	2	2	2	2	2
Flame passing the limit mark (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Self-extinguishment (s)	15	15	15	15	15
Max. height of the flame (cm)	4	6	5	5	6
Continuous burning (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Continuous smouldering (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Extinguishment of flames after (s)	--	--	--	--	--
Smoke development	low				
Falling of burning particles (time) (s)	no	no	no	no	no

1) Did not occur

Flaming of the blue confetti

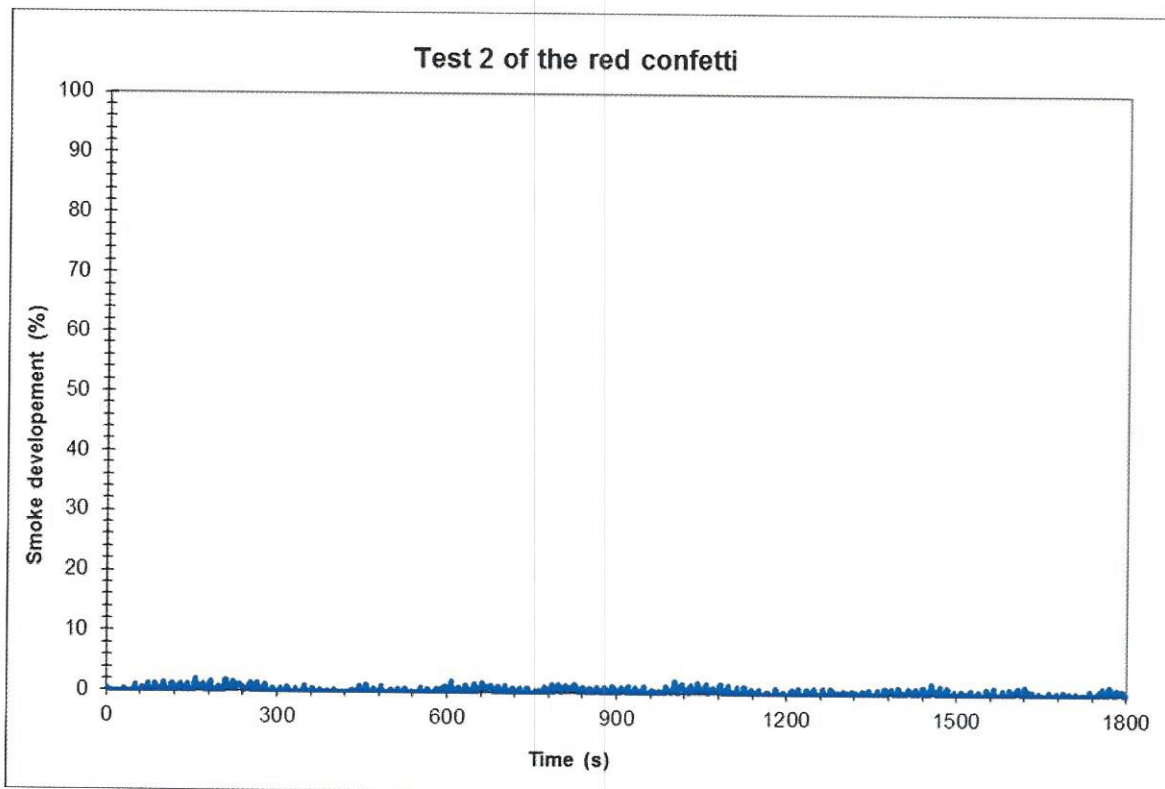
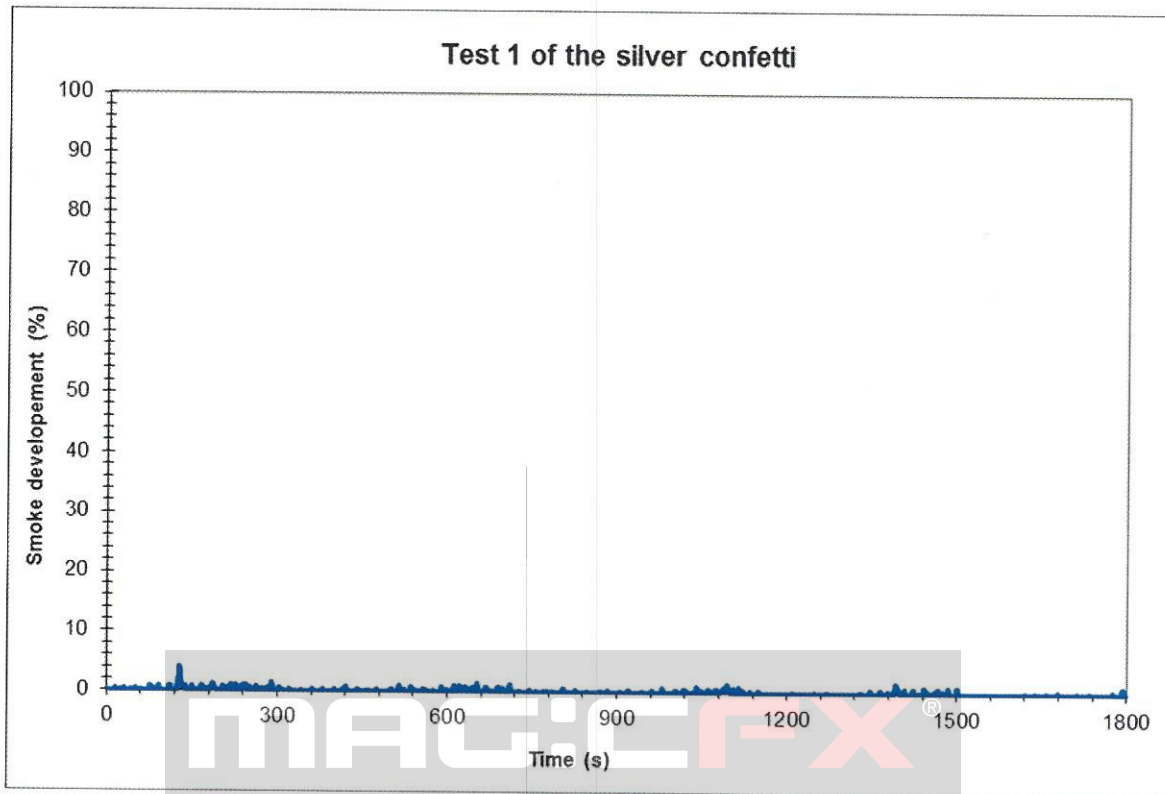
Sample no. (Times stated from start of test)	1	2	3	4	5
Ignition (s)	3	3	3	3	3
Flame passing the limit mark (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Self-extinguishment (s)	15	15	15	15	15
Max. height of the flame (cm)	6	4	5	5	4
Continuous burning (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Continuous smouldering (s)	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾	-- ¹⁾
Extinguishment of flames after (s)	--	--	--	--	--
Smoke development	low				
Falling of burning particles (time) (s)	no	no	no	no	no

1) Did not occur

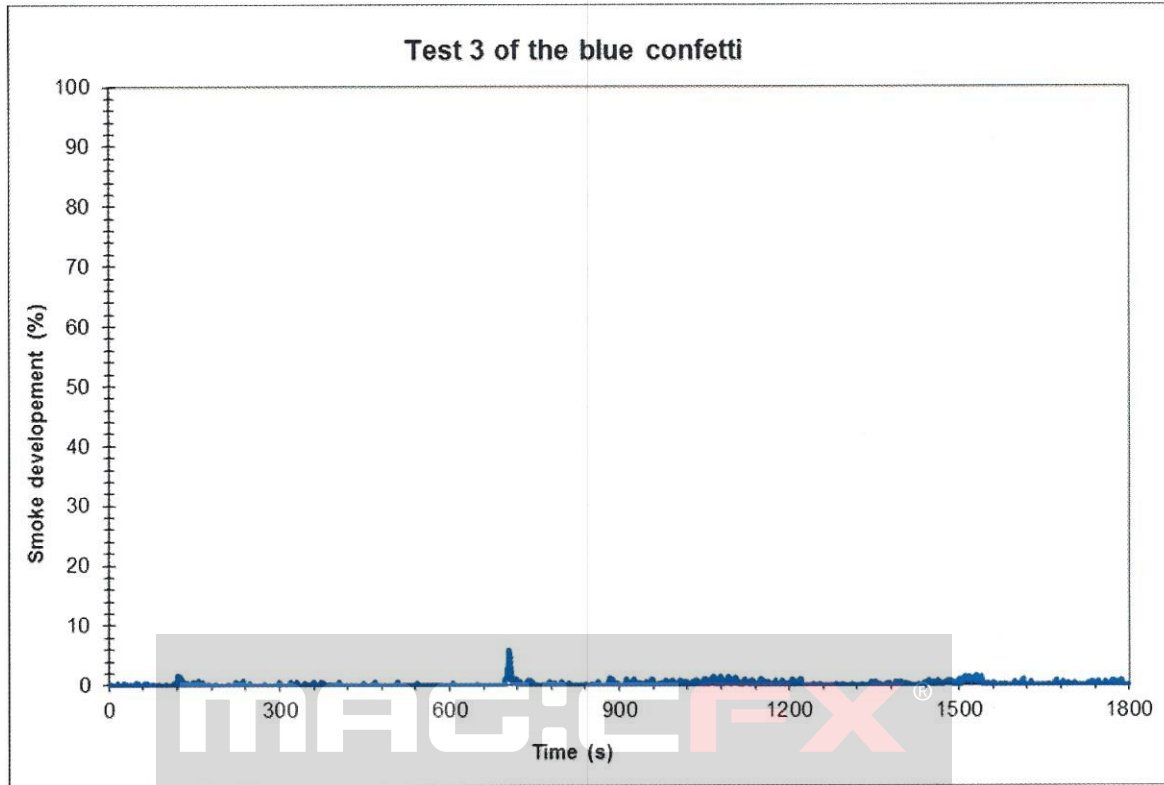


Appearance of specimen 2 after the Radiant Panel Test

Diagrams of the smoke development



Diagrams of the smoke development



3 Assessment

The product described on page 2 fulfilled the requirements of building products according to Baustoffklasse B2. According to the results, the product as tested in the described arrangement also fulfils the requirements of building products according to Baustoffklasse B1. In consequence the product can be classified as

schwerentflammbarer Baustoff (Baustoffklasse B1) according to DIN 4102-1.

4 Special notes and restrictions of the application

The fire test result is only valid for the product described on page 2, loose spread and horizontally lying on non-combustible solid mineral substrates of class A according to DIN 4102-1. The layer thickness shall be maximum 2 mm and the mass per unit area shall be maximum 454 g/m².

Together with other materials (e.g. spread lying on other solid mineral substrates) the fire behaviour could be influenced adversely, so that the classification is no longer valid. The fire behaviour together with other materials must be proved separately.

The validity of this test certificate ends on 22.09.2020. The period of validity can be extended on application.

Since the material is used as decoration material it is no building product according to §2 chapter 9 no. 1 MBO. An allgemeines bauaufsichtliches Prüfzeugnis of the test institute respectively an allgemeine bauaufsichtliche Zulassung of Deutsches Institut für Bautechnik, Berlin is **not necessary**.

This test certificate is not the requested approval, if the tested material is used as building product according to the German building regulations.

5 Marking

The above mentioned material has to be marked as following:

- Schwerentflammbar nach DIN 4102-1 (Baustoffklasse B1)

The marking shall be done on the material, on an enclosed paper or on the packaging or, if this would be too difficult, on the delivery-note or on an enclosure to the delivery-note.

This test certificate is solely valid in combination with the original test certificate issued in German language and dated of 23.09.2015. In case of doubt, the certificate issued in German language is valid solely.


Erwitte, 23.09.2015

On behalf


Dipl.-Ing. Rademacher

Head of testing body




Dipl.-Ing. Schreiner
Engineer in charge

Date of issue of this English version: 23.09.2015