iBMB MPA TU BRAUNSCHWEIG

Institut für Baustoffe, Massivbau und Brandschutz | Materialprüfanstalt für das Bauwesen

Test Certificate

- Translation -

Document No.:	(3208/222/12) – Mü of 03/08/2012
Client:	ASPHALT ART INTERNATIONAL AG Riedstraße 7 CH 6330 Cham Switzerland
Subject:	Building material class B1 classification tests (low flammability) in accordance with DIN 4102 Part 14 (May 1990), Fire behaviour of building materials and elements; determination of the burning behaviour of floor covering systems using a radiant heat source
Test basis:	DIN 4102 Part 14 (May 1990)
Test material received:	11/05/2012
Sampling:	Made by the client
Test material marking:	"TexWalk" floor covering

Note: If the above-mentioned building material is not used as a building product in accordance with master building code MBO clause 2, paragraph 9 (1), a National Technical Approval (abZ) is not required. This Test Certificate shall not be applicable if the tested building material is used as a building product within the meaning of Federal State Building Codes (MBO clause 17, para. 3).

This Test Certificate does not replace an attestation that may be required under federal state building code/building law regulations.

In the building code procedure, this Test Certificate can be used as a basis for the required declaration of conformity (for building products for which standards are available), for the required general type approval (for products for which no standards are available).

The test results only relate to the specimen that has been mentioned above and that is described on the following pages.

The Test Certificate consists of 4 pages and 1 annex.

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Notified body (0761-CPD)
MPA Braunschweig has been approved and notified as a civil engineering supervisory, inspection and certification body. MPA Braunschweig has been ISO/IEC17025 accredited as a testing and calibration laboratory and ISO/IEC17020 accredited as an inspection body.

1 Test material:

Test material received: 11/05/2012

Sampling: made by the client

Designation used by the client: "TexWalk" flooring

Structure of the specimen (from top to bottom):

Fabric with a structured, dull vinyl coating; colour: white; 0.1 - 0.25 mm thick

Adhesive: acrylic solvent; approx. 80 µm thick

Total weight per unit area (film and adhesive): approx. 0.385 kg/m².

For testing, the specimens were loosely glued to a fibre cement board in compliance with the specifications in the standard.

(details specified by the client).

Before the tests were started, the specimens were stored in a standard DIN 50014 23/50-2 climate.

2 Test results

2.1 Table 1: Radiant Panel Test in accordance with DIN 4102 Part 14

Date of test: 22/06/2012

	Sample No.	1	2	3	Mean value
1.1	Thickness [mm]	0.36	0.35	0.33	0.35
1.2	Weight per unit area [kg/m^2]	0.283	0.28	0.277	0.28
1.3	Maximum burnt distance [cm]	6.0	8.0	7.0	7.0
1.4	Critical radiation intensity [W/cm^2]	1.1	1.1	1.1	1.1
1.5	Integral of light attenuation [% x min]	20	10	15	15

Comments: A photo of the specimens after the the fire test is included in annex 1 of the Test Certificate

2.2 Table 2: B2 test in accordance with DIN 4102 Part 1 (flames applied to surface)

Date of test: 02/07/2012

Times specified relate to start of test						
Sample No.:		1	2	3	4	5
Ignition	[s]	1	1	1	1	1
Measuring mark reached after	[s]	--	--	--	--	--
Flames extinguished themselves	[s]	15	15	15	15	15
Max. height of flames	[cm]	3	3	3	3	3
End of afterglow	[s]	--	--	--	--	--
Flames were extinguished		--	--	--	--	--
Smoke production		Very low				
Falling burning particles	[s]	--	--	--	--	--

Comments: --

3 Assessment

3.1 All specimens conformed with the requirements specified in DIN 4102 Part 1 (May 1998) for normal flammability (building material class B 2).

Falling burning particles (burning droplets) or ignition of the filter paper was not observed with any of the specimens.

3.2 All specimens tested in accordance with DIN 4102 Part 14 conformed with the requirements specified in DIN 4102 Part 1 (May 1998) section 6.1 for low flammability (building material class B 1) of floor covering.

The examined flooring material can therefore be regarded as low-flammability material (building material class B 1) in accordance with DIN 4102 Part 1 (May 1998).

4 Special notes

4.1 The results achieved in the fire test only apply to the construction material described in section 1 above. A combination with other construction materials (e.g. coating or fire retardants) may have an adverse effect on the reaction of the specimen to a fire so that the above classification no longer applies. The reaction to fire of the construction material when combined with other materials has to be separately verified in compliance with DIN 4102 Part 1.

4.2 Proof of resistance against weathering has not been furnished.

4.3 This Test Certificate cannot be used as a building code flammability class attestation in accordance with DIN 4102-1: 1998-05. It is issued as a basis for application for an approval.

This document is the translated version of Test Certificate (3208/222/12) – Mü dated 03/08/.2012.

The legally binding text is the aforementioned German Test Certificate.

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Materialprüfanstalt f. d. Bauwesen MPA BS 3.1 Braunschweig

Braunschweig, 3 August 2012

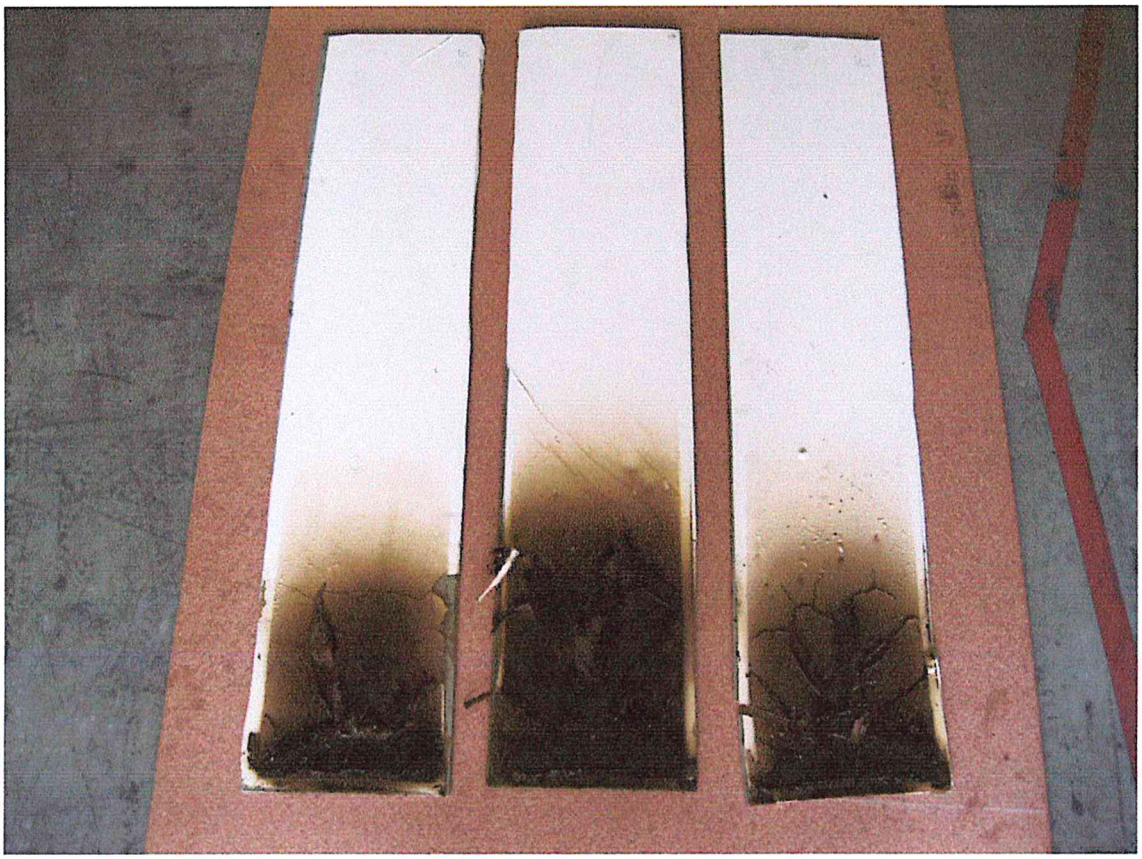

Fig. 1: Specimens after the test