

TEST REPORT

Order no: 001, 2018.09.17

Signature: SL/Z-244/DIN4102-B1/522a/2018

Police, 08.10.2018

Test methods:

1. DIN 4102-1:1998-05 Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests.
2. DIN 4102-16:2015-09 Fire behaviour of building materials and building components - Part 16: "Brandschacht" tests
3. DIN 53438-2:1984-06 Testing of combustible materials; response to ignition by a small flame; edge ignition
4. DIN 53438-3:1984-06 Testing of combustible materials; response to ignition by a small flame; surface ignition

Content of request: Testing according to DIN 4102-1:1998-05 (building class B1)

Sponsor: GM Media, UAB
G. Vilko 18A
Vilnius, LT-08104, LITHUANIA

Material: DotFilm 1300 = **EWJ7025/EWJ7026/EWJ7027**

Composition: Adhesive vinyl with dot structure glues for print

Manufacturer/supplier: GM Media, UAB
G. Vilko 18A
Vilnius, LT-08104, LITHUANIA

Assessment: The material fulfils the requirements of the building class B1 according to DIN 4102-1:1998-05

Validity of test report: 07.10.2023

The reprint and the copying: only with the agreement of GM Media, UAB

Without the written consent of the Sychta Laboratory the report can be copied only in one piece.

Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

Contain of test report: five pages with signature and numbers.

1. Test results class B1 according to DIN 4102-16:1998-05

Name of measured quantity	Unit	Specimen				Requirement
		1	2	3	4	
No. test arrangement according to DIN 4102-15	-	2				
Speciment thicknes	mm	0,12				
Maximum flame height	cm	50				
Time	s	55				
Flamming time	s	90				
Ignition sample backside	yes/no	no				
Time	s	-				
Burning droplets	yes/no	yes				
Duration failling of burning droplets	s	10				
- sporadic falling of burning droplets	yes/no	yes				
- continuous falling of burning droplets	yes/no	no				
Burning separating sample parts	yes/no	no				
Duration failling of burning parts	s	-				
- sporadic falling of burning parts	yes/no	-				
- continuous falling of burning droplets	yes/no	-				
Duration of burning on the sieve tray	s	-				
Residual range						
	1	cm	46			>0
	2	cm	46			
	3	cm	45			
	4	cm	47			
Average value of the residual range		cm	46			≥15
Maximum flue gas temperature	°C	114				≤200
Time	s	100				
Duration of burning after end of test	s	0				
Maximum light attenuation	%	41				
Integrated smoke obscuration	min• %	15				≤400
Impairment of the burner flames by falling particles or droplets	yes/no	no				
Time of the appearance of falls for the burner	s	-				
Premature end of test	yes/no	no				
Time	s	-				

Remarks: Because of the residual length of > 45 cm in one test, the quantity of tests was reduced, according to Clause 5.2 b) DIN 4102-16:2015-09.

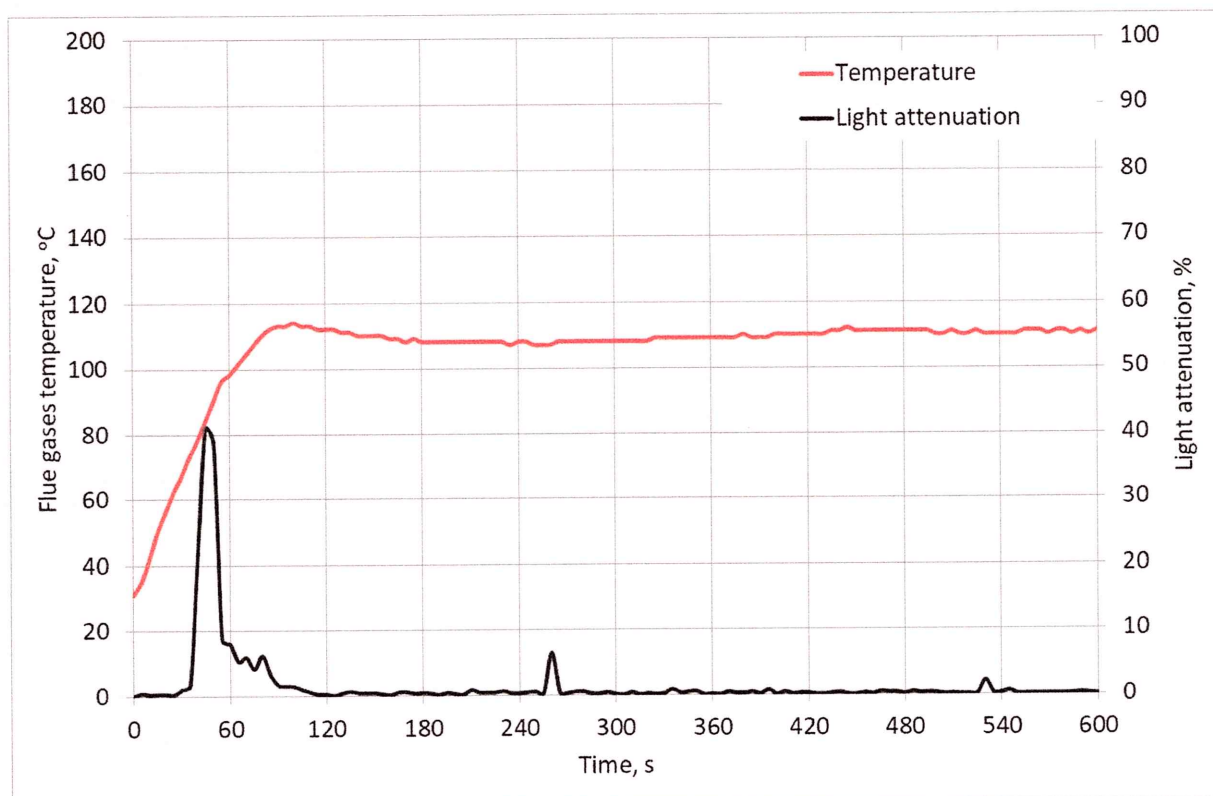


Figure 1. The relation of flue gases temperature and of the light attenuation in the time

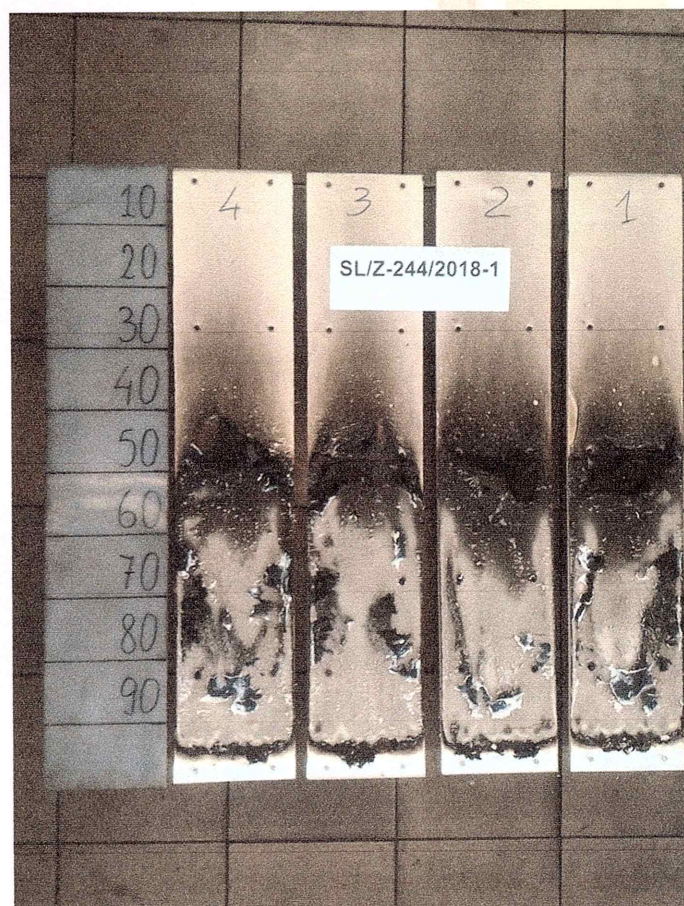


Figure 2. Appearance of the sample after the test

2. Test results class B2 according to DIN 4102-1

2.1. Edge ignition DIN 53438-2

Exposure time of pilot burner flame - 15 s

Time from start of test.

Name of measured quantity	Unit	Specimen no./Test direction									
		length direction					cross direction				
		1	2	3	4	5	6	7	8	9	10
Specimen thickness	mm	0,12	0,12	0,12	0,12	0,12	-	-	-	-	-
Ignition time	s	1	1	1	2	1	-	-	-	-	-
Flame height 150 mm within 20 s	yes/no	no	no	no	no	no	-	-	-	-	-
Max. flame height	cm	3	4	5	4	4	-	-	-	-	-
Time	s	-	-	-	-	-	-	-	-	-	-
Extinction time	s	15	15	15	15	15	-	-	-	-	-
Flaming particles or droplets	yes/no	no	no	no	no	no	-	-	-	-	-
Ignition of paper	yes/no	no	no	no	no	no	-	-	-	-	-
Smoke development (visual impression)	-	Medium amount of smoke									

Remarks: none.

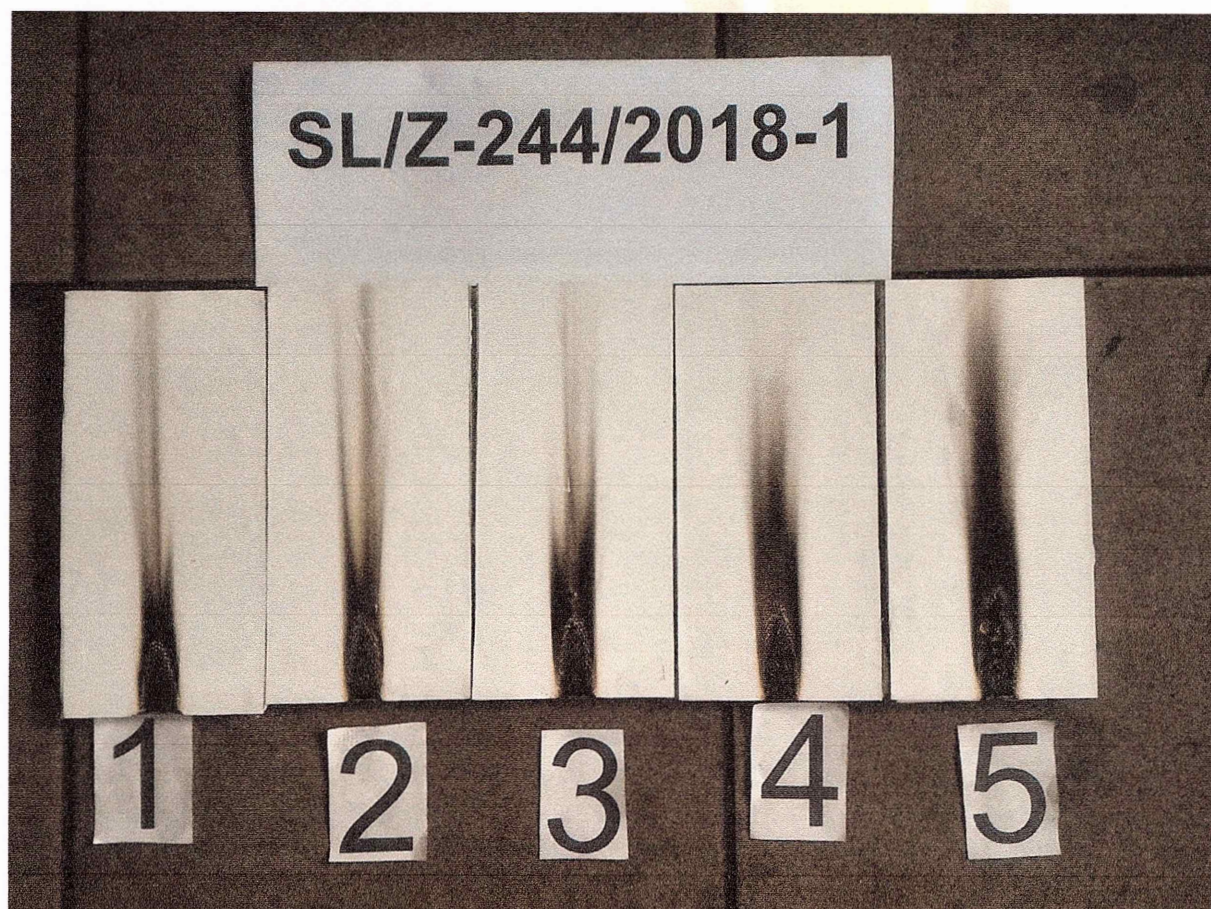


Figure 3. Appearance of the sample after the small burner test

3. Assessment

The determined test results show that the material fulfils the requirements of the building class B2 according to DIN 4102-1:1998-05.

The determined test results show that the material fulfils the requirements **of the building class B1** according to DIN 4102-1:1998-05.

In combination with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the classification above is not valid any longer. According to DIN 4102-1 the burning behaviour in combination with other materials has to be tested separately.

This report does not determine admission to the use of the product, when tested material is used as a construction product within the meaning of terrestrial technical requirements.

In the process of construction supervision test results can be the basis for a preliminary assessment of the compatibility/suitability.

4. Remaining required information

Date of receipt of samples: 24.09.2018

System of the sampling: sponsor took and delivered samples.

Description of the test material: white, self-adhesive vinyl foil with dot structure glues, thickness of 0,12 mm (with paper 0,27 mm) and weight per unit area of 135 g/m² (with paper 270 g/m²). One roll of 1370mm x 7000mm was delivered by the sponsor. Laboratory prepared samples for tests.


Conditioning of specimens: after storing 14 days before the tests or constant mass at temperature of 23°C, and relative humidity of 50 % (DIN 50014-23/50-2).

Description of the substrate and fixing to the substrate: vinyl foil was glued to the non-combustible building board material according to Clause 4.4 DIN 4102-16:2015-09 - gypsum plasterboard as in DIN EN 520: thickness (12,5 ± 0,5) mm, apparent density (700 ± 100) kg/m³, class A2-s1,d0 as in DIN EN 13501-1 (applies also to a solid mineral background having an apparent density ≥ 1 500 kg/m³, a thickness ≥ 6 mm and a solid mineral background having an apparent density ≥ 1 650 kg/m³ and a thickness ≥ 11 mm);

Declaring: The test results rate to the behaviour of the test specimens under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the products in use.

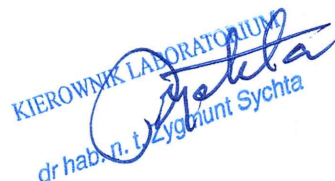
Operators:


mgr inż. Andrzej Sychta


dr inż. Krzysztof Sychta

Signature:

SYCHTA LABORATORIUM Sp. J.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 3170161, tel. +48 502 078655
e-mail: biuro@sychta.eu www.sychta.eu
KRS: 0000387681 REGON: 321023120
NIP: 8513152392


mgr inż. Andrzej Sychta

Date and place of test - 08.10.2018, Police