Report VN710 147579.3
Test Report

Applicant

Graboplast Floor Covering Manufacturing Ltd.
Fehérvári street 16/b
9023-Györ
Hungary

Reference

Tünde Váradi

Application

Testing of burning behaviour according EN ISO 9239-1 and ignitability according to EN ISO 11925-2.

Test material

„GRABO CONDUCTO S“

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

Number of pages contained: 6
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Authorised for Institute
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Contents

1 Order

1.1 Chronology

Date	Received	Order
31.10.2018	05.11.2018	Testing of burning behaviour according EN ISO 9239-1 and ignitability according to EN ISO 11925-2.

1.2 Samples

Nr.	Received	Sample Identification
1	05.11.2018	„GRABO CONDUCTO S“

(Unless otherwise stated samples are provided by the customer.)

2 Findings / Tests performed

2.1 Determination of the type of resilient floor covering

Description according to EN 12466*

Test results

Tested sample: 1

Material of the wear layer:	PVC (declaration by the applicant)
Construction:	homogeneous with dissipative back layer
Character of the surface:	non transparent
Type of floor covering	smooth floor covering
Character of the surface:	smooth surface
Colour/pattern of the surface:	scattered
Dimensions:	rolls
Mass: *)	2700 g/m²
Thickness: *)	1,9 mm

*) determined on a sample of 20 x 20 cm

The submitted specimen is a homogeneous PVC floor covering with a dissipative back layer according to EN ISO 10581.

2.2 Determination of the burning behaviour of floor coverings using a radiant heat source

Test conditions

According to: EN ISO 9239-1
Conditioning: according EN 13238 (4.3)
Substrate: Fibre cement boards according EN 13238 (5.1.2)
Arrangement of specimens: glued to substrate
Adhesive Name: „Eurocol 643", Type: dispersion adhesive, Producer: Forbo
Drying time: 10 minutes, Spatula: Serration B2

Statement
The test results relate to the behaviour of the test specimens of the products 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.

Test results

Tested sample: 1

Specimen (direction)	Flame spread [cm] after				Self extinguishing after [min : sec]
	10 min	20 min	30 min	Self extinguishing	
1 (length)	< 11	--	--	< 11	12 : 00
2 (cross)	< 11	--	--	< 11	12 : 00
3 (length)	< 11	--	--	< 11	12 : 00
4 (length)	< 11	--	--	< 11	12 : 00

Specimen (direction)	Radiant flux [kW/m²]				Max. light attenuation	Integral of smoke obscuration
	after 10 min [HF-10]	after 20min [HF-20]	after 30 min [HF-30]	at Self extinguishing [CHF]	[%]	[%.min]
1 (length)	≥ 11	--	--	≥ 11	15	47
2 (cross)	≥ 11	--	--	≥ 11	11	36
3 (length)	≥ 11	--	--	≥ 11	6	22
4 (length)	≥ 11	--	--	≥ 11	14	39

Mean value of critical radiant flux [1)]	**≥ 11 kW/m²**
Mean value of integral of smoke obscuration [2)]	**36 %.min**

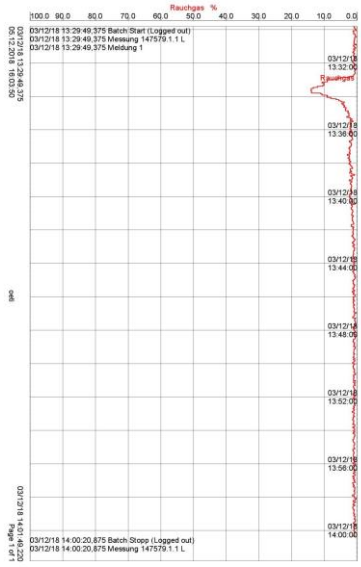
Remarks:
1) The mean value of the critical radiant flux is calculated from the results of HF-30 or CHF of the three specimens with the same direction. If both values are stated, the lowest one is taken for calculation.
2) The mean value of the integral of smoke obscuration is calculated from the results of the three specimens with the same direction.

Measuring point [mm]	Time [min : sec] at which the flames are reaching the measuring points			
	Specimen 1 (length)	Specimen 2 (cross)	Specimen 3 (length)	Specimen 4 (length)
50	3 : 30	3 : 50	3 : 30	3 : 50

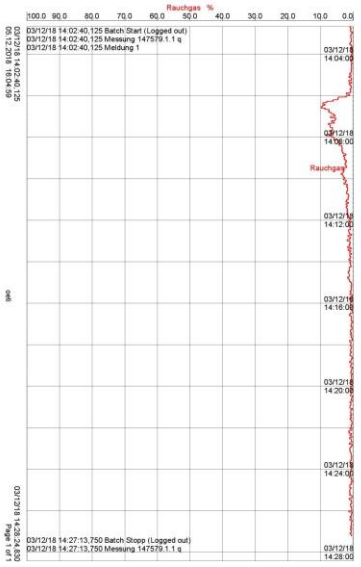
Observations during the test: none

2.2.1 Diagrams of integrated smoke obscuration

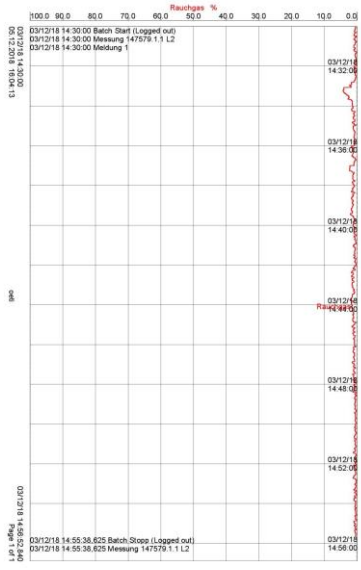
Specimen 1 (length)



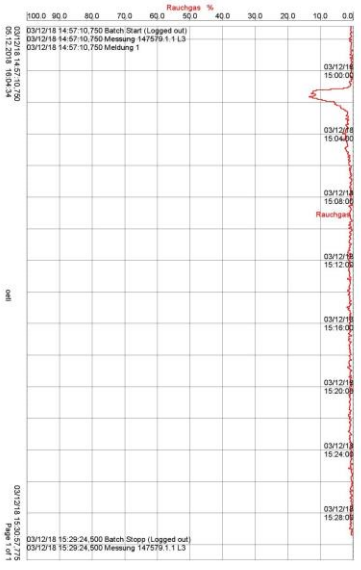
Specimen 2 (cross)



Specimen 3 (length)

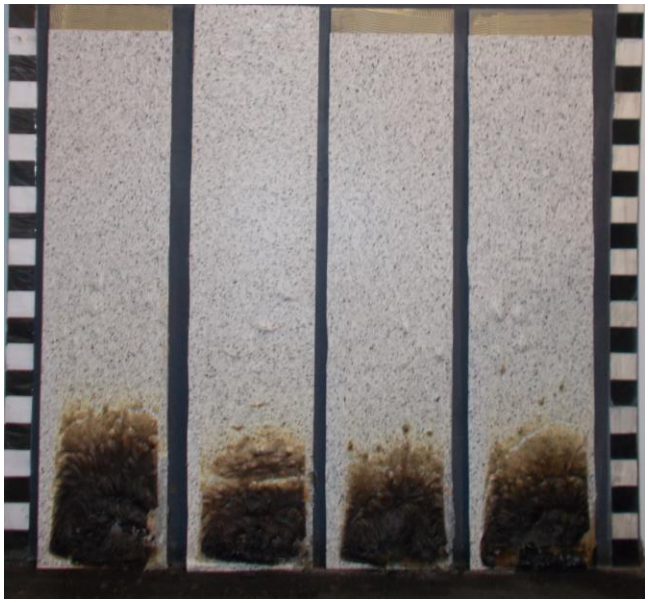


Specimen 4 (length)



2.2.2 Appearance of specimens after test

This photo shows the specimens 1 to 4 (from left to right side). One section of the rule is equivalent to 5 cm.



2.3 Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame

Test conditions

According to EN ISO 11925-2
Conditioning: according EN 13238 (4.2)
Substrate: Fibre cement boards according EN 13238 (5.1.2)
Arrangement of the samples: loose laid
Number of specimen: 3 in length, 3 in cross direction (250 mm x 90 mm)
Exposure conditions: Surface exposure
Flame application time: 15 s

Statement
The test results relate to the behaviour of the test specimens of the products 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.

Test results

Tested sample: 1

	Length direction			Cross direction		
Specimen	1	2	3	1	2	3
Ignition	no	no	no	no	no	no
Flaming debris	no	no	no	no	no	no
Ignition of filter paper	no	no	no	no	no	no
Reaching the measuring mark (150 mm)	no	no	no	no	no	no
Time to reach the measuring mark	--	--	--	--	--	--

Special observations during the test: none

3 Remarks

Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or the OETI.

The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product produced unchanged.

Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

Results of performed tests only refer to the sample material provided.

Without explicit written other agreement testing is destructive and the sample material is transferred to the property of ÖTI, which is entitled to freely decide on storage and disposal.

Issuance

The valid first issue is done in paper and has single-handed signatures. For reference purposes and filing an unsigned electronic duplicate can be delivered in pdf format. Duplicates and translations will be marked accordingly on the cover sheet.

Quality management, Accreditation and Notification

This issue is a rewriting of report VN710 147579.1, dated 10.12.2018.

All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065.

OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body for several directives with the registration number 0534 (see http://ec.europa.eu/enterprise/newapproach/nando/). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on www.oeti.biz. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

According to the decree on the use of the accreditation mark (“AkkZV”) the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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End of report