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## Test Report VN710 153034.2

### Application

Classification of burning behaviour according to EN 13501-1.

### Test Material

"Grabo Fortis"

The test material used for testing was made anonymous for laboratory purposes.  
A detailed sample list is included in the document.

### Issuing

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OETI - Institute for Ecology, Technology and Innovation GmbH

A handwritten signature in blue ink, appearing to read "Hannes Vittek".

Ing. Hannes Vittek

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**1 Application**

Date of Order	Scope of Order
20.03.2019	Classification Of Burning Behaviour - EN 13501-1

## 2 Introduction

This classification report defines the classification assigned to the building product “**Grabo Fortis**” in accordance with the test methods fixed in EN 13501-1.

## 3 Details of classified building product

### 3.1 General

The building product “**Grabo Fortis**” is defined as flooring, the classification is valid for the end use application described under point 5.3.

### 3.2 Description of the building product

Material of the wear layer:	PVC (declaration by the applicant)
Construction:	homogeneous
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
Total thickness *)	1,9 mm
Total weight *)	2400 g/m <sup>2</sup>

\*) determined on a specimen of 20 x 20 cm

The submitted specimen is a homogeneous PVC floor covering according to EN ISO 10581.

## 4 Test reports and test results for the proof of the classification

### 4.1 Test report

Laboratory	ÖTI
Test report number	<b>VN710 153034.1</b>
Date of issue	<b>16.04.2019</b>
Applicant	Graboplast Floor Covering Manufacturing Ltd.
Test methods	EN ISO 11925-2 and EN ISO 9239-1

## 4.2 Test results

	Test results (Mean Value)	Number of tests
<b>Ignitability, EN ISO 11925-2</b> Flame spread $\leq$ 150 mm	<b>yes</b>	6
<b>Burning behaviour, EN ISO 9239-1</b> Critical radiant flux	$\geq$ 11 kW/m <sup>2</sup>	3
Integral of smoke obscuration	22 % .min	3

## 5 Classification and field of application

### 5.1 Reference for classification

This classification has been carried out in accordance with EN 13501-1.

### 5.2 Classification

Due to the results of the tests carried out, the building product "**Grabo Fortis**" can be classified as following.

<b>Burning behaviour</b>	<b>Smoke emission</b>
<b>B<sub>f1</sub></b>	<b>s1</b>
<b>Classification</b>	
<b>B<sub>f1</sub>-s1</b>	

### 5.3 Field of application

The classification is valid for the building product described in point 3 under the following end use conditions.

Application	Horizontal laid floor covering in form of rolls
Subfloors	Not burnable subfloors of euroclass A1 <sub>fl</sub> or A2 <sub>fl</sub> with a density of at least 1350 kg/m <sup>3</sup> .
Installation	glued
Adhesive	„Eurocol 643”, Type: dispersion adhesive, Producer: Forbo, or similar. Note: According to EN13501-1 the stated classification is valid for the tested floor covering together with the tested adhesive, as well as for all other adhesives of the same generic type as the tested adhesive.

## 6 Limitations

### 6.1 Notice

This classification document does not represent type permission or certifying the product.

If a building product should be CE marked according to system 3 of the attestation of conformity systems, the classification stated with this report is suitable as a basis for the declaration of the producer according to the attestation of conformity system 3, together with a CE marking in the context of the directive relating to construction products.

If the manufacturer plans a CE marking in connection with conformity system 3, he has to give an explanation, which has to be attached to the relevant documents. This explanation confirms, that there are no the specific materials, production processes or procedures (e.g. no additives of flame retarding materials, delimitation of organic components or additions of fillers), which are improving the burning behaviour to reach the obtained fire classification. As a consequence from this, the manufacturer drew the conclusion that the system 3 of the attestation of conformity systems is appropriate.

The testing laboratory therefore has played no role in the sampling procedure, although the testing laboratory keeps appropriate references from the manufacturer ready, in order to pursue the examined samples.

## 7 Remarks

### Period of 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 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 is 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

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In this report individual non-accredited test procedures are marked with \*. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

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