

## Fire Test Certificate – Specimen

**Fabric:** Joel Dance  
**Type:** EN13501-1

**J&C Joel** 

the inspiration behind the performance



ÖTI – Institut für Ökologie, Technik und Innovation GmbH



smart-textiles  
PLATTFORM



Report 64511

### Classification Report on Burning Behaviour

#### Applicant

#### Reference

#### Application

Classification of burning behaviour according to EN 13501-1.

#### Test Material

"Evidance"

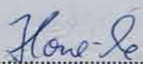
Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

#### Issuing and Signatures

Number of pages contained: 7

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.....

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## 1 Order

### 1.1 Chronology

| Date       | Received   | Order                                                        |
|------------|------------|--------------------------------------------------------------|
| 2010-09-14 | 2010-09-27 | Classification of burning behaviour according to EN 13501-1. |



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## 2 Introduction

This classification report defines the classification assigned to the building product "**Evidence**" in accordance with the test methods fixed in EN 13501-1:2009.

## 3 Details of classified building product

### 3.1 General

The building product "**Evidence**" 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

#### Resilient floor covering

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Material (of wear layer): | PVC (according to the specification by the applicant) |
| Construction:             | heterogeneous                                         |
| Kind of wearlayer:        | not transparent wear layer                            |
| Structure of wearlayer:   | smooth surface                                        |
| Colouring:                | plain                                                 |
| Dimensions:               | rolls                                                 |
| Type of floor covering:   | heterogeneous PVC floor covering according to EN 649  |

|                 | specification by ÖTI  | specification by the applicant |
|-----------------|-----------------------|--------------------------------|
| Total mass      | 3500 g/m <sup>2</sup> | 3500 g/m <sup>2</sup>          |
| Total thickness | 2,4 mm                | 2,5 mm                         |
| Density         | -- kg/m <sup>3</sup>  | 1250 kg/m <sup>3</sup>         |

The applicant of this classification report guarantees the observance of the instructions of the product specification according to EN 649.

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

### 4.1 Test report

|                    |                                  |
|--------------------|----------------------------------|
| Laboratory         | ÖTI                              |
| Test report number | <b>64510</b>                     |
| Date of issue      | <b>2011-03-16</b>                |
| Applicant          | <b>Graboplast RT</b>             |
| Test methods       | EN ISO 11925-2 und EN ISO 9239-1 |

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### 4.2 Test results

|                                                                   | Test results<br>(Mean Value) | Number of tests |
|-------------------------------------------------------------------|------------------------------|-----------------|
| <b>Ignitability, EN ISO 11925-2</b><br>Flame spread $\leq 150$ mm | yes                          | 6               |
| <b>Burning behaviour, EN ISO 9239-1</b><br>Critical radiant flux  | 7,5 kW/m <sup>2</sup>        | 3               |
| Integral of smoke obscuration                                     | 263 %·min                    | 3               |

## 5 Classification and field of application

### 5.1 Reference for classification

This classification has been carried out in accordance with EN 13501-1:2009.

### 5.2 Classification

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

|                                                  |                                 |
|--------------------------------------------------|---------------------------------|
| <b>Burning behaviour</b><br><br>C <sub>fl</sub>  | <b>Smoke emission</b><br><br>s1 |
| <b>Classification</b><br><br>C <sub>fl</sub> -s1 |                                 |

### 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 | unglued and glued/adhered                                                                                                    |



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### 6 Limitations

#### 6.1 Validity

The report stays valid as long as the products are produced in unchanged condition; this is in the responsibility of the manufacturer.

#### 6.2 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.

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### 7 Äquivalenzbeurteilung zur Verwendung in Österreich

Unter Zugrundlegung der Anforderungsbedingungen ist eine eindeutige Zuordnung der ehemaligen österreichischen Brandklassifizierung zu einer europäischen Klasse nicht immer möglich und bedarf umfassender Einstufungserfahrung.

Die vorliegende Äquivalenzbeurteilung soll als Hilfestellung verstanden werden die zeigen soll, in welche europäische Klasse ein Bauprodukt fallen kann, das gemäß österreichischen Normen eingestuft wurde und umgekehrt.

| Einstufung gemäß EN 13501-1 | Anforderungen aus landesgesetzlichen Bestimmungen |    |
|-----------------------------|---------------------------------------------------|----|
| A1fl                        | nichtbrennbar,<br>schwachqualmend                 | A  |
| A2fl-s1                     |                                                   |    |
| Bfl-s1                      | schwerbrennbar,<br>schwachqualmend                | B1 |
| Cfl-s1                      |                                                   |    |
| Dfl-s1                      | normalbrennbar,<br>schwachqualmend                | B2 |
| A2fl-s2                     |                                                   |    |
| Bfl-s2                      | normalbrennbar                                    |    |
| Cfl-s2                      |                                                   |    |
| Dfl-s2                      |                                                   |    |
| Efl                         | leichtbrennbar                                    | B3 |
| Ffl 1)                      |                                                   |    |

<sup>1)</sup> Es wird darauf hingewiesen, dass die Europäische Klasse F auch die Tatsache ausdrücken kann, dass noch gar keine Klassifizierung stattgefunden hat.

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### 8 Remarks

#### Sample Material

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.

#### Quality management and accreditations

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

ÖTI is accredited by several organisations for various tests offered. It also is a Notified Body for several directives with the registration number 0534 (see <http://ec.europa.eu/enterprise/newapproach/ndo/>). The accreditation by the Federal Ministry of Economy, Family and Youth as testing laboratory was repeated under reference 92.714/0560-1/12/2009 (Individual accredited test procedures are marked with the federal laboratory logo), the accreditation for testing and inspection of construction products was given by the OIB (Austrian Institute of Construction Engineering). Details and other accreditations are given on request and can be found on [www.oeti.at](http://www.oeti.at).

#### Issuance

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End of Report