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## Classification Report VN710 174087.1

### Application

Classification of burning behaviour according to EN 13501-1.

### Test Material

"PA-AB" (Cfl-s1)

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 that reads "i. V. Zamböck".

**Ing. Hannes Vittek**

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## 1 Application

Date of Order	Scope of Order
15.09.2020	Classification Of Burning Behaviour - EN 13501-1

## 2 Introduction

This classification report defines the classification assigned to the building product group **“PA-AB” (C<sub>fl</sub>-s1)** in accordance with the test methods fixed in EN 13501-1.

## 3 Details of classified building product

### 3.1 General

The building product group **“PA-AB” (C<sub>fl</sub>-s1)** 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

The building product group **“PA-AB” (C<sub>fl</sub>-s1)** is defined according EN 14041 as following.

Type	Textile floor coverings with pile according to EN 1307
Dimensions	Rolls
Manufacturing technique	Tufted
Surface structure	Cut pile
Backing	Textile backing – nonwoven (“Felt – Acoustic Back”)
Pile material	100% Polyamide
Total weight	2300 – 2750 g/m <sup>2</sup>
Total thickness	8,5 – 10,5 mm
Pile weight	630 – 1100 g/m <sup>2</sup>
Pile thickness	4,0 – 6,5 mm

Type	Textile floor coverings with pile according to EN 1307
Dimensions	Rolls
Manufacturing technique	Tufted
Surface structure	Loop pile
Backing	Textile backing – nonwoven (“Felt – Acoustic Back”)
Pile material	100% Polyamide
Total weight	2175 - 3150 g/m <sup>2</sup>
Total thickness	8,0 – 10,3 mm
Pile weight	440 - 950 g/m <sup>2</sup>
Pile thickness	3,0 – 5,0 mm

The applicant of this classification report guarantees the observance of the instructions for building product groups according EN 14041 as well as the observance of the instructions of the product specification according to EN 1307.

The following articles are part of the building product group **“PA-AB” (C<sub>fl</sub>-s1)**.

Article	Surface Structure	Manufacturing technique	Total weight [g/m <sup>2</sup> ]	Total thickness [mm]	Pile weight [g/m <sup>2</sup> ]	Pile thickness [mm]
Highline 1100 AB	Cut	Tufted	2750	10,5	1100	5,5
Highline 630 AB	Cut	Tufted	2300	8,5	630	4,0
Highline 910 AB	Cut	Tufted	2600	10,5	910	6,5
Highline Carré AB	Loop	Tufted	2175	8,0	440	3,0
Highline Loop AB	Loop	Tufted	2400	9,5	680	5,0
Ege Tuft 440 AB	Loop	Tufted	2175	8,0	440	3,0
Ege Tuft 650 AB	Loop	Tufted	3150	8,0	695	3,0
Una Crystalline AB	Loop	Tufted	2608	10,3	950	5,0

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

For building product groups preliminary trials with the heaviest/thickest and lightest/thinnest quality have to be carried out (for the most unfavourable case a complete test has to be carried out) respectively the test results of these "border-qualities" are used for the judgement. The classification is done according to the worst case ("Highline 910 AB", "Ege Tuft 440 AB").

##### 4.1 Test report

Laboratory	DBI
Article	Highline 910 AB
Test report number	<b>PF12442h</b>
Date of issue	<b>2006-10-17</b>
Applicant	<b>Egetaepper A/S</b>
Test methods	EN ISO 11925-2 and EN ISO 9239-1

Laboratory	ÖTI
Article	Ege Tuft 440 AB
Test report number	<b>VN710VN 120919.1</b>
Date of issue	<b>2016-07-12</b>
Applicant	<b>Egetaepper A/S</b>
Test methods	EN ISO 11925-2 and EN ISO 9239-1

#### 4.2 Test results

	Test results (Mean Value)	Number of tests
<b>“Highline 910 AB”</b>		
<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	<b>6,6 kW/m<sup>2</sup></b>	3
Integral of smoke obscuration	<b>65 %.min</b>	3
<b>“Ege Tuft 440 AB”</b>		
<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	<b>5,6 kW/m<sup>2</sup></b>	3
Integral of smoke obscuration	<b>104 %.min</b>	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 group “**PA-AB**” (**C<sub>fi</sub>-s1**) can be classified as following.

<b>Burning behaviour</b>	<b>Smoke emission</b>
<b>C<sub>fi</sub></b>	<b>s1</b>
<b>Classification</b>	
<b>C<sub>fi</sub>-s1</b>	

### 5.3 Field of application

The classification is valid for the building product group 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>fi</sub> or A2 <sub>fi</sub> with a density of at least 1350 kg/m <sup>3</sup> .
Installation	glued
Adhesive	<p>Polyacrylat-copolymer dispersion adhesive (“ege 90RH” / “Uzin UZ 57” ) or similar.</p> <p>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.</p>



## **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

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 OETI, which is entitled to freely decide on storage and disposal.

### Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

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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