



Report 59478

Classification Report on Burning Behaviour

Applicant

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Reference

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Application

Classification of burning behaviour according to EN 13501-1.

Test Material

"Exhibition floors FR"

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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1 Order

1.1 Chronology

<i>Date</i>	<i>Received</i>	<i>Order</i>
2008-10-29	2008-10-29	Classification of burning behaviour according to EN 13501-1.

2 Introduction

This classification report defines the classification assigned to the building product group "EXHIBITION FLOORS FR" in accordance with the test methods fixed in EN 13501-1:2007.

3 Details of classified building product

3.1 General

The building product group "EXHIBITION FLOORS FR" 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 „EXHIBITION FLOORS FR“ is defined in accordance with EN 14041 as follows.

Type	Textile floor covering
Dimensions	rolls
Manufacturing technique	Needle felt
Surface structure	flat, looppile like (ribbed), cutpile like, structured
Backing	impregnated
Pile material	100 % Polypropylen
Total weight	520 g/m ² by 950 g/m ²
Pile weight	320 g/m ² by 550 g/m ²
Total thickness	2,7 mm by 5,2 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 13297.

The following articles are part of the building product group „EXHIBITION FLOORS FR“.

Article	Surface structure	Total weight (g/m ²)	Pile weight (g/m ²)	Total thickness (mm)
Star Base	flat	520	320	2,7
Star Design	structured	520	320	4,2
Star Rib	Loppile like (ribbed)	520	320	3,5
Star Velour	Cutpile like	520	320	3,8
T 500 Velour	Cutpile like	950	550	5,2

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.

4.1 Test report

Laboratory	ÖTI
Test report number	53290 and 57309
Date of issue	2006-12-06 and 2008-04-23
Applicant	VIGANO PAVITEX
Test methods	EN ISO 11925-2 and EN ISO 9239-1



4.2 Test results

	Test results (Mean Value)	Number of tests
Ignitability, EN ISO 11925-2 Flame spread \leq 150 mm	yes	6
Burning behaviour, EN ISO 9239-1 Critical radiant flux	$\geq 11,0$ kW/m ²	3
Integral of smoke obscuration	< 10 % .min	3

5 Classification and field of application

5.1 Reference for classification

This classification has been carried out in accordance with EN 13501-1:2007.

5.2 Classification

Due to the results of the tests carried out, the building product group „EXHIBITION FLOORS FR“ can be classified as following.

Burning behaviour	Smoke emission
B_{fl}	s1
Classification	
B_{fl}-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 _{fl} or A2 _{fl} with a density of at least 1350 kg/m ³ .
Installation	unglued and glued/adhered

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.



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	
A1 _n	nichtbrennbar, schwachqualmend	A
A2 _{n-s1}		
B _{n-s1}	schwerbrennbar, schwachqualmend	B1
C _{n-s1}		
D _{n-s1}	normalbrennbar, schwachqualmend	B2
A2 _{n-s2}		
B _{n-s2}		
C _{n-s2}		
D _{n-s2}		
E _n		
F _n ¹⁾	leichtbrennbar	B3

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



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 Economics and Labour as testing laboratory was repeated under reference 92.714/0211-I/12/2007 (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.

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.

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End of Report