



## Report 61843 Test Report

### Applicant

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### Reference

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### Application

Determination of burning behaviour and smoke emission.

### Test Material

"Divina/Divina Melange, 100% new wool "

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

### Issuing and Signatures

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## 1 Order

### 1.1 Chronology

Date	Received	Order
2009-09-07	2009-09-10	Determination of burning behaviour and smoke emission.

### 1.2 Samples

No.	Received	Sample Identification	Sample Material
1	2009-09-10 <sup>(1)</sup>	"Divina/Divina Melange, 100% new wool"	textile fabric, approx. 3 m

(1) Samples provided by the customer. (2) Sample drawn by ÖTI.

## 2 Findings / Tests performed

### 2.1 Description of the specimen

Description of the specimen according to DIN 60 000

#### Test results

Tested sample: 1

Type of fibre according to DIN 60 001 part 1	100 % new wool (declaration by the applicant)
Technological description	woven fabric

## 2.2 Determination of burning behaviour of upholstery fabrics

### Test conditions

According to ÖNORM B 3825

Arrangement of upholstery: Arrangement A - free chosen upholstery

Kind of upholstery: foam: polyurethan foam , properties: Burning behaviour:

B2 according ÖNORM B 3800-1, Designation: K 5560, Producer: Eurofoam

Number of test specimens: Longitudinal direction 3 / Cross direction 3

### Test results

Tested sample: 1

Specimen	Burning-time [s]	After-flame-time [s]	After-glow-time [s]	Flame spread rate [mm/s]	self-extinguishing before reaching the mark
Longitudinal direction					
1	none	3	0	0	yes
2	none	2	0	0	yes
3	none	4	0	0	yes
Cross direction					
1	none	4	0	0	yes
2	none	5	0	0	yes
3	none	3	0	0	yes

Secondary effects of burning:

Melting of the specimen within the inflammation-area;

Behaviour of the covering fabric: self-extinguished;

Behaviour of the upholstery: self-extinguished.

### Opinion

According to ÖNORM B 3825 the tested specimen can be classified as

**"schwerbrennbar gemäß ÖNORM B 3825"**

### Comments:

This test is a compound test at which the furniture fabric will always be tested combined with upholstery. Classification, therefore, relates only to the described arrangement of specimens and foam used.

We would like to point out, that according to building and fire police by-laws it is not allowed to use upholstery of burning class B 3 - highly burnable - according to ÖNORM B 3800, Part 1 (see comments on ÖNORM B 3825), for rooms of milling crowds, like theatre and meeting rooms, hotels and the catering industry.

## 2.3 Determination of smoke emission

### Test Conditions

Standard: ÖNORM A 3800 part 1/4.2

Specimen: upholstery fabrics

Changes to standard: none

### Test results

Tested sample: 1

smoke emission [%]					
Test 1	Test 2	Test 3	Test 4	Test 5	Mean Value
4	2	2	7	10	5

### Classification

The tested specimen can be classified according to ÖNORM A 3800-1, item 4.2.1 as:

**Qualmbildungsklasse Q1 - schwachqualmend**

### Period of validity

According to ÖNORM A 3800 part 1 present test report remains valid until **September 2013**.

## 3 Remarks

### 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.

### 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/nando/>). The accreditation by the Federal Ministry of Economics and Labour as testing laboratory was repeated under reference 92.714/0655-1/12/2008 (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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