ÖTI – Institut für Ökologie, Technik und Innovation GmbH













Report 71432 Test Report

Applicant

Reference

Kvadrat Holding Lundbergsvej 10 8400 Ebeltoft DÄNEMARK

Application

Determination of burning behaviour and smoke emission.

Test Material

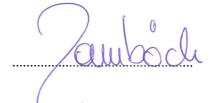
"Memory"

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: 5
Original Issue / Vienna 2013-06-25 / da/KK 3666

Authorised for Institute Astrid Damböck



[•] ÖTI – Institut für Ökologie, Technik und Innovation GmbH • Spengergasse 20 • A-1050 Wien • Austria •

[•] Tel. +43 1 5442543-0 • Fax +43 1 5442543-10 • Email office@oeti.at • Web www.oeti.at • FN: 326826b • UID-Nr ATU65149029 •

UniCredit Bank Austria AG • BLZ 12000 • Konto 23410378800 • Iban AT941200023410378800 • Swift BKAUATWW • Eori ATEOS1000015903 •

[•] Es gelten ausschließlich unsere Allgemeinen Geschäftsbedingungen • Only our General Terms and Conditions apply •



Contents

1	Order	2
	Chronology	
	Samples	
	Findings / Tests performed	
	Description of the specimen	
2.2	Determination of burning behaviour of upholstery fabrics	3
	Determination of smoke emission	
	Remarks	

1 Order

1.1 Chronology

Date

Received

Order

2013-06-05

2013-06-12

Determination of burning behaviour and smoke emission.

1.2 Samples

No. Received

Sample Identification

1 2013-06-11 (1) "Memory"

(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 ISO 2076	100% Polyester (Trevira® CS) (declaration by the applicant)
Technological description	woven fabric

2.2 Determination of burning behaviour of upholstery fabrics

Test conditions

According to ÖNORM B 3825 accr.)

Arrangement of upholstery: Arrangement A: fixed upholstery

Kind of upholstery: foam: polyurethan foam, properties: Burning behaviour: "schwerbrennbar" according to ÖNORM A 3800-1, Designation: KF 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	0	0		yes			
2	none	0	0		yes			
3	none	0	0		yes			
Cross direction								
1	none	0	0		yes			
2	none	0	0		yes			
3	none	0	0		yes			

Secondary effects of burning:

melting of the specimen within the inflammation area

Behaviour of upholstery and covering fabric: 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.



2.3 Determination of smoke emission

Test Conditions

Standard: ÖNORM A 3800 accr.) part 1/4.2

Specimen: woven fabric

Arrangement of the specimen: loose

Test results

Tested sample: 1

smoke emission [%]									
Test 1	Test 2	Test 3	Test 4	Test 5	Mean Value				
15	32	17	42	48	31				

Classification

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

Qualmbildungsklasse Q1 - schwachqualmend



3 Remarks

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 the ÖTI.

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

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.

Quality management and accreditations

All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065.



The ÖTI is accredited as Test Laboratory and as Certification Body for products. 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 Economy, Family and Youth as testing laboratory was repeated under reference BMWFJ-97.714/0198-I/12/2012. Test conditions of individual accredited test procedures are marked with accr.). Details and other accreditations are given on request and can be found on www.oeti.biz.

Copyright und Usage Notes

It is pointed out, that any alterations, amendments or falsifications of reports not authorized by the issuer of the report will be prosecuted as civil and criminal offences; this especially to the appropriate requirements of ABGB, UrhG, UWG and criminal law and their respective international equivalents.

Reports are protected under international copyright laws. Written consent of the ÖTI is required for publications (also in excerpt) and reference to tests for public relation purposes. Reports may only be reproduced in full length.

End of Report