



Report 66534 Test Report

Applicant

flamentek limited
fire prevention consultants
fox farmhouse
NR34 8DD shadingfield beccles suffolk
GROSSBRITANNIEN

Reference

KV0139.11(21250)-Kvadrat Holding

Application

Determination of burning behaviour and smoke emission.

Test Material

"Waterborn with Duraflam-Duracote®"

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: 4

Original Issue / Vienna 2011-07-22 / AM/KK 4686

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1 Order

1.1 Chronology

Date	Received	Order
2011-06-21	2011-06-21	Determination of burning behaviour and smoke emission.

1.2 Samples

No.	Received	Sample Identification
1	2011-06-21 (1)	"Waterborn with Duraflam-Duracote®" (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	85 % polyester 15 % polyurethane (declaration by the applicant)
Technological description	faux suede material

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	0	0	0	yes
2	none	0	0	0	yes
3	none	0	0	0	yes
Cross direction					
1	none	0	0	0	yes
2	none	0	0	0	yes
3	none	0	0	0	yes

Secondary effects of burning: behaviour of the 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 part 1/4.2

Specimen: textile 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
18	26	16	17	16	19



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 **July 2015**.

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 Economy, Family and Youth as testing laboratory was repeated under reference 92.714/0560-I/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.

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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