



Report VN736 124544.1 Test Report



Applicant

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Reference

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Application

Determination of the burning behaviour according to ÖNORM B 3825, smoke emission according to ÖNORM A 3800-1 as well as abrasion resistance according to EN ISO 5470-2.

Test material

"touch"

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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Translation

Authorised for Institute
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1 Order

1.1 Chronology

Date	Received	Order
19.02.2016	22.02.2016	Determination of the burning behaviour according to ÖNORM B 3825, smoke emission according to ÖNORM A 3800-1 as well as abrasion resistance according to EN ISO 5470-2.

1.2 Samples

Nr.	Received	Sample Identification
1	22.02.2016	"touch"

(Unless otherwise stated samples are provided by the customer.)

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 and DIN ISO 2076	Coating: 100% Polyurethan Backing: 33% Cotton 67% Polyester (declaration by the applicant)
Technological description	Coated woven fabric

2.2 Determination of burning behaviour of upholstery fabrics

Test conditions

According to ÖNORM B 3825

Arrangement of upholstery: Arrangement A: fixed upholstery

Kind of upholstery: foam: polyurethan foam , properties: Burning behaviour: "schwerbrennbar" according to ÖNORM A 3800-1, Designation: RF 5560, Producer: Eurofoam

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

Test results

Tested sample: 2

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

Secondary effects of burning:

Behaviour of the covering fabric: Self-extinguishing of the covering fabric

Behaviour of the upholstering fabric: Self-extinguishing of the upholstery fabric

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

Arrangement of the specimen: loose

Tested sample: 1

smoke emission [%]					
Test 1	Test 2	Test 3	Test 4	Test 5	Mean Value
48	30	25	35	44	36

Classification

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

Qualmbildungsklasse Q1 - schwachqualmend

2.4 *Determination of abrasion resistance of rubber- or plastics-coated fabrics

Test conditions

According to EN ISO 5470 part 2

Method: method 2, dry

Used abrasion material: Silicon carbide, grain P180

Underlay: PU-foam

Abrasion load: 795g (corresponds 12 kPa)

Deviation from standard: The evaluation was appropriate according EN 15618 for the respective performance category of the defined number of abrasion-turns. (300 T., 500 T. and 700 T.)

Test results

Tested sample: 1

Number of abrasion-turns	Evaluation of damage of the sample			
	specimen 1	specimen 2	specimen 3	specimen 4
100	1	1	1	1
200	2	2	2	2
300	2-3	2-3	2-3	2-3
500	2-3	2-3	2-3	2-3
700	2-3	2-3	2-3	2-3

Scale for evaluation of the damage:

0	None	No change of surface.
1	very mild	Change of gloss. No print abrasion (if present). No attack of surface coating.
2	mild	Change of colour. Print (if present) is partly or completely abraded. The surface coating was not attacked or only mild superficial.
3	moderate	The surface coating was attacked.
4	heavy	The surface coating is worn and the interlayer or the foam layer was attacked.
5	completely destroyed	The basic fabric appears.

Evaluation according to EN 15618

Number of abrasion-turns without exposition of the interlayer under the top layer:

≥ 700 turns

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.

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Sample Material

Results of performed tests only refer to the sample material provided.

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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, Accreditation and Notification

This issue is a rewriting of report VNNF 082603.1, dated 04.03.2016.

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End of report