

JOEL WESTEND

Perfect for: Stage • Decorative/Scenic • Film & TV

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Composition and Care

200 cm 3

Fire Certificates

BS4790 4

EN13501-1 6

TECHNICAL



NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated



DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings



IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy



FR
Flame Retardant
chemically treated to an individual specification



NOT FR
Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES



Approx roll length of material in linear metres (m) & feet (ft)



Approx width of material in centimetres (cm) & inches (")



Approx weight in grams per metre squared (g/m²)



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests

CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture



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Fire Test Certificate - Specimen

Fabric: Joel Westend

Type: BS4790

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Leeds, LS16 6QJ, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 14 August 2017
Our Ref: 53645-16
Your Ref: -
Page: 1 of 3

Client: J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Hot Metal Nut Test

Client's Order No: -

Date of Receipt: 16 June 2017

Date of Test Start: 21 June 2017

Description of Sample(s): One sample identified as follows was received for testing:
Joel WestEnd, stated to be DFR

Work Requested: We were asked to make the following test:
Fire test according to BS 4790:1987 (2014)

SPECIMEN



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Website: www.bttg.co.uk

Date: 14 August 2017

Our Ref: 53645-16

Your Ref: -

Page: 2 of 3

Sample was identified as follows:

Joel WestEnd, stated to be DFR

FIRE TESTS ACCORDING TO BS 4790:1987 (2014)

Determination of the effects of a small source of ignition on textile floorcoverings, (Hot Metal Nut Method)

Procedure

The sample was tested according to the above standard. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard by BTTG.

Requirements

The results were classified according to BS 5287:1988 (2014) - 'Assessment and Labelling of Textile floorcoverings tested to BS 4790'. The full descriptions of the classifications, abbreviated to low, medium or high in the table of results, are as follows:-

- low radius of effects of ignition (up to 35mm)
- medium radius of effects of ignition (40 to 75mm)
- high radius of effects of ignition (80mm or over).

Results

| Duration of Flaming (s) | Greatest radius of char | | Class |
|-------------------------|-------------------------|-----------|-------|
| | Face (mm) | Back (mm) | |
| 31 | 15 | 10 | Low |
| 32 | 15 | 10 | Low |
| 31 | 15 | 10 | Low |



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Note

The test results relate only to the behaviour of the test specimens after application of a small source of ignition; they shall not be used as a means of assessing how the product will contribute to an established fire

The test was carried out on specimens loose laid onto 6mm calcium silicate non-combustible backing boards, in accordance with mounting method 1.

Please note that a high classification is the worst result and a low classification is the best result. Also the end result is based on the worst specimen of the three specimens tested.

Reported by: 
B Marsden (Mrs)
Fire Technician

Countersigned By: 
P Doherty
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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Fire Test Certificate - Specimen

Fabric: Joel Westend

Type: EN13501-1

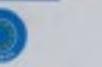
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ÖTI – Institut für Ökologie, Technik und Innovation GmbH



smart-textiles
PLATTFORM



Report 64509

Classification Report on Burning Behaviour

Applicant

Reference

Application

Classification of burning behaviour according to EN 13501-1.

Test Material

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: 7

Original Issue / Vienna 2011-03-15 / AM/KK 3149

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Fire Test Certificate - Specimen

Fabric: Joel Westend

Type: EN13501-1



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1 Order

1.1 Chronology

| Date | Received | Order |
|------------|------------|--|
| 2010-09-14 | 2010-09-27 | Classification of burning behaviour according to EN 13501-1. |



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Fire Test Certificate - Specimen

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Type: EN13501-1



2 Introduction

This classification report defines the classification assigned to the building product in accordance with the test methods fixed in EN 13501-1:2009.

3 Details of classified building product

3.1 General

The building product 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

| | |
|---------------------------|---|
| Material (of wear layer): | PVC (according to the specification by the applicant) |
| Construction: | heterogeneous |
| Kind of wearlayer: | not transparent wear layer |
| Structure of wearlayer: | smooth surface |
| Colouring: | plain |
| Dimensions: | rolls |
| Type of floor covering: | heterogeneous PVC floor covering according to EN 649 |

| | specification by ÖTI | specification by the applicant |
|-----------------|-----------------------|--------------------------------|
| Total mass | 2138 g/m ² | 2100 g/m ² |
| Total thickness | 1,6 mm | 1,7 mm |
| Density | – kg/m ³ | 1250 kg/m ³ |

The applicant of this classification report guarantees the observance of the instructions of the product specification according to EN 649.

4 Test reports and test results for the proof of the classification

4.1 Test report

| | |
|--------------------|----------------------------------|
| Laboratory | ÖTI |
| Test report number | 64508 |
| Date of issue | 2011-03-16 |
| Applicant | |
| Test methods | EN ISO 11925-2 und EN ISO 9239-1 |

Fire Test Certificate - Specimen

Fabric: Joel Westend

Type: EN13501-1



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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 | 9,6 kW/m ² | 3 |
| Integral of smoke obscuration | 84 %·min | 3 |

5 Classification and field of application

5.1 Reference for classification

This classification has been carried out in accordance with EN 13501-1:2009.

5.2 Classification

Due to the results of the tests carried out, the building product can be classified as following.

| Burning behaviour | Smoke emission |
|--------------------|----------------|
| B _e | s1 |
| Classification | |
| B _e -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 A1s or A2s with a density of at least 1350 kg/m ³ . |
| Installation | unglued and glued/adhered |

Fire Test Certificate - Specimen

Fabric: Joel Westend

Type: EN13501-1



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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.

If a building product should be CE marked according to system 3 of the attestation of conformity systems, the classification stated with this report is suitable as a basis for the declaration of the producer according to the attestation of conformity system 3, together with a CE marking in the context of the directive relating to construction products.

If the manufacturer plans a CE marking in connection with conformity system 3, he has to give an explanation, which has to be attached to the relevant documents. This explanation confirms, that there are no the specific materials, production processes or procedures (e.g. no additives of flame retarding materials, delimitation of organic components or additions of fillers), which are improving the burning behaviour to reach the obtained fire classification. As a consequence from this, the manufacturer drew the conclusion that the system 3 of the attestation of conformity systems is appropriate.

The testing laboratory therefore has played no role in the sampling procedure, although the testing laboratory keeps appropriate references from the manufacturer ready, in order to pursue the examined samples.

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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 | |
|-----------------------------|---|----|
| A1s | nichtbrennbar, schwachqualmend | A |
| A2s-s1 | | |
| Bs-s1 | schwerbrennbar, schwachqualmend | B1 |
| Cs-s1 | | |
| Ds-s1 | normalbrennbar, schwachqualmend | B2 |
| A2s-s2 | | |
| Bs-s2 | | |
| Cs-s2 | | |
| Ds-s2 | normalbrennbar | B2 |
| Es | | |
| Fs 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.

Fire Test Certificate - Specimen

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Type: EN13501-1

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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/mandate/>). The accreditation by the Federal Ministry of Economy, Family and Youth as testing laboratory was repeated under reference 92.714/0560-1/12/2009 (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.oefi.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



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