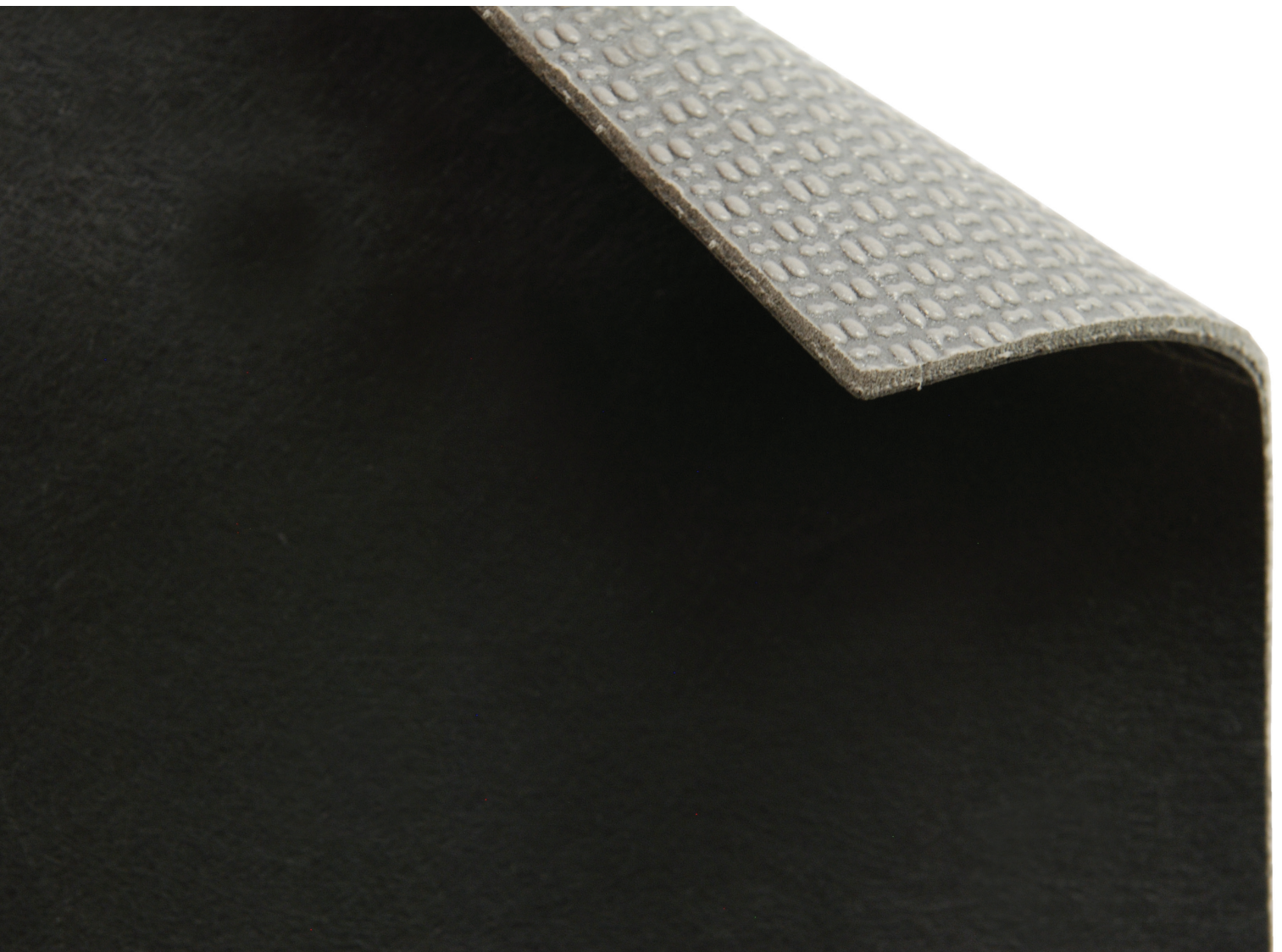


Joelmat Underlay

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



J&C Joel 

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Contents

Composition & Care

145 cm 3

Fire Certificate

BS4790 4

EN13501-1 7

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

Datasheet - Fabrics & Flooring

Joelmat Underlay



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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	Flame Retardancy	FR
	Fire Certification	BS4790
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	Heterogeneous PVC
	Construction of Fabric	Non Woven
Chemicals	Surface Treatments	None
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	Phosphorous Compound
	Process of Flame Retardant Chemicals	Mixed Into Mass
Care	Information	Flame Retardant. This means that the carpet is chemically treated to meet the flammability requirements of BS4790. For cleaning use an Alkaline PVC compatible detergent.
	Laundering Treatment	 Do Not Dry Clean Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry
Notes		



Fire Rating:
FR



Approx Roll Length:
25m / 82ft



Width:
145cm / 57"



Weight:
1600 g/m²



Fire Certification:
BS4790, EN13501-1



Colours
Available

For further information please contact our sales team sales@jcjoel.com

UK Europe Middle East Vietnam Macau Hong Kong

Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: BS4790

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Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 14 August 2017

Our Ref: 53645-3

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:
Joelmat Underlay, stated to be FR

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



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Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: BS4790

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TESTING • CERTIFICATION • AUDITING

J. & C. Joel Limited

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@btg.co.uk
Website: www.btg.co.uk

Date: 14 August 2017

Our Ref: 53645-3

Your Ref: -

Page: 2 of 3

Sample was identified as follows:

Joelmat Underlay, stated to be FR

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)	
36	25	0	Low
33	25	0	Low
32	25	0	Low



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Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: BS4790

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J. & C. Joel Limited

Wira House, West Park Ring Road,
Leeds, LS16 6QL, UK.
Telephone: +44 (0)113 259 1999
Email: info@btg.co.uk
Website: www.btg.co.uk

Date: 14 August 2017

Our Ref: 53645-3

Your Ref: -

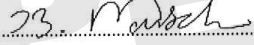
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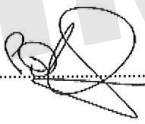
Note

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: Joelmat Underlay
Type: EN13501-1

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ÖTI – Institut für Ökologie, Technik und Innovation GmbH



smart-textiles
PLATTFORM



Report 68980

Classification Report on Burning Behaviour

Application

Classification of burning behaviour according to EN 13501-1.

Test Material

"Grabo Vaporex"

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 2012-08-07 / da/KK 5520

Authorised for Institute
Ing. Hannes Vittek



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Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: EN13501-1

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1 Order

1.1 Chronology

Date	Received	Order
2012-06-15	2012-06-15	Classification of burning behaviour according to EN 13501-1.

Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: EN13501-1

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2 Introduction

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

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

According to the specification of the applicant the tested sample is a floorunderlayment, constructed as following:

Construction:	heterogeneous
Structure of surface:	studded surface
Colouring:	decorative
Dimensions:	rolls

	specification by ÖTI	specification by the applicant
Total mass	1600 g/m ²	1600 g/m ²
Total thickness	1.4 mm	1.4 mm

Fire Test Certificate – Specimen

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Type: EN13501-1

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

4.1 Test report

Laboratory	ÖTI
Test report number	68979
Date of issue	2012-08-07
Test methods	EN ISO 11925-2 und EN ISO 9239-1

4.2 Test results

	Test results (Mean Value)	Number of tests
Ignitability, EN ISO 11925-2		
Flame spread ≤ 150 mm	yes	6
Burning behaviour, EN ISO 9239-1		
Critical radiant flux	10.1 kW/m ²	3
Integral of smoke obscuration	23 %.min	3

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Type: EN13501-1

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5 Classification and field of application

5.1 Reference for classification

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

5.2 Classification

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

Burning behaviour	Smoke emission
B _n	s1
Classification	
B _n -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 decoupling underlayment
Subfloors	Not burnable subfloors of euroclass A1 _n or A2 _n with a density of at least 1350 kg/m ³ .
Installation	unglued and glued/adhered

Fire Test Certificate – Specimen

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Type: EN13501-1

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6 Limitations

6.1 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.

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	
A1 _{fl}	nichtbrennbar, schwachqualmend	A
A2 _{fl-s1}		
B _{fl-s1}	schwerbrennbar, schwachqualmend	B1
C _{fl-s1}		
D _{fl-s1}	normalbrennbar, schwachqualmend	B2
A2 _{fl-s2}	normalbrennbar	
B _{fl-s2}		
C _{fl-s2}		
D _{fl-s2}		
E _{fl}		
F _{fl} 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

Fabric: Joelmat Underlay
Type: EN13501-1

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Report 68980 • 7 / 7

8 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

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/IEC 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 BMWFJ-97.714/0198-I/12/2012 (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.biz.

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End of Report

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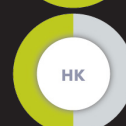
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