

Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: EN13501-1

J&C Joel 

the inspiration behind the performance



ÖTI – Institut für Ökologie, Technik und Innovation GmbH



smart-textiles
PLATTEFORM



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



• 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 BKAUAT33 • Eori ATEOS1000015903 •
• Es gelten ausschließlich unsere Allgemeinen Geschäftsbedingungen • Only our General Terms and Conditions apply •

Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: EN13501-1

J&C Joel 
the inspiration behind the performance



Report 68980 • 2 / 7

Contents

1	Order	2
1.1	Chronology	2
2	Introduction	3
3	Details of classified building product	3
3.1	General	3
3.2	Description of the building product	3
4	Test reports and test results for the proof of the classification	4
4.1	Test report	4
4.2	Test results	4
5	Classification and field of application	5
5.1	Reference for classification	5
5.2	Classification	5
5.3	Field of application	5
6	Limitations	6
6.1	Notice	6
7	Äquivalenzbeurteilung zur Verwendung in Österreich	6
8	Remarks	7

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

J&C Joel 
the inspiration behind the performance



Report 68980 • 3 / 7

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

Fabric: Joelmat Underlay
Type: EN13501-1

J&C Joel 
the inspiration behind the performance



Report 68980 * 4 / 7

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

Fire Test Certificate – Specimen

Fabric: Joelmat Underlay
Type: EN13501-1

J&C Joel 
the inspiration behind the performance



Report 68980 + 5 / 7

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

Fabric: Joelmat Underlay
Type: EN13501-1

J&C Joel 
the inspiration behind the performance



Report 68980 • 6 / 7

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

J&C Joel 
the inspiration behind the performance



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.

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