



# PRINTED JOELMAT (Digital Print)

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

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## Composition and Care

195 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/m<sup>2</sup>)



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: Printed Joelmat

Type: BS4790

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Leeds, LS16 6QL, UK.  
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Email: [info@bttg.co.uk](mailto:info@bttg.co.uk)  
Website: [www.bttg.co.uk](http://www.bttg.co.uk)

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

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

Job Title: Hotel 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, 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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TESTING • CERTIFICATION • AUDITING

J. & C. Joel Limited

Sample was identified as follows:

Joelmat, stated to be DFR

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

Date: 14 August 2017

Our Ref: 53645-1  
Your Ref: -

Page: 2 of 3

## 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).



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## Results

Duration of Flaming (s)	Greatest radius of char		Class
	Face (mm)	Back (mm)	
33	25	15	Low
31	25	15	Low
33	20	15	Low

## 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*  
B Marsden (Mrs)  
Fire Technician

Countersigned By: *P Doherty*  
P Doherty  
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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# Fire Test Certificate - Specimen

Fabric: Printed Joelmat

Type: EN13501-1

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 **ÖTI – Institut für Ökologie, Technik und Innovation GmbH**

Report 66002  
Classification Report on Burning Behaviour

Applicant	Reference
	

**Application**

2. extension of the period of validity of the classification 44074.

**Test Material**

"Unifloor Q30/T"

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: 6  
Original Issue / Vienna 2011-06-01 / Rm/AM/KK 3149

Authorised for Institute  
DI (FH) Angelika Hönecke


Technology  
Ing. Judith Pointner ☎ 28 / pointner@oeti.at

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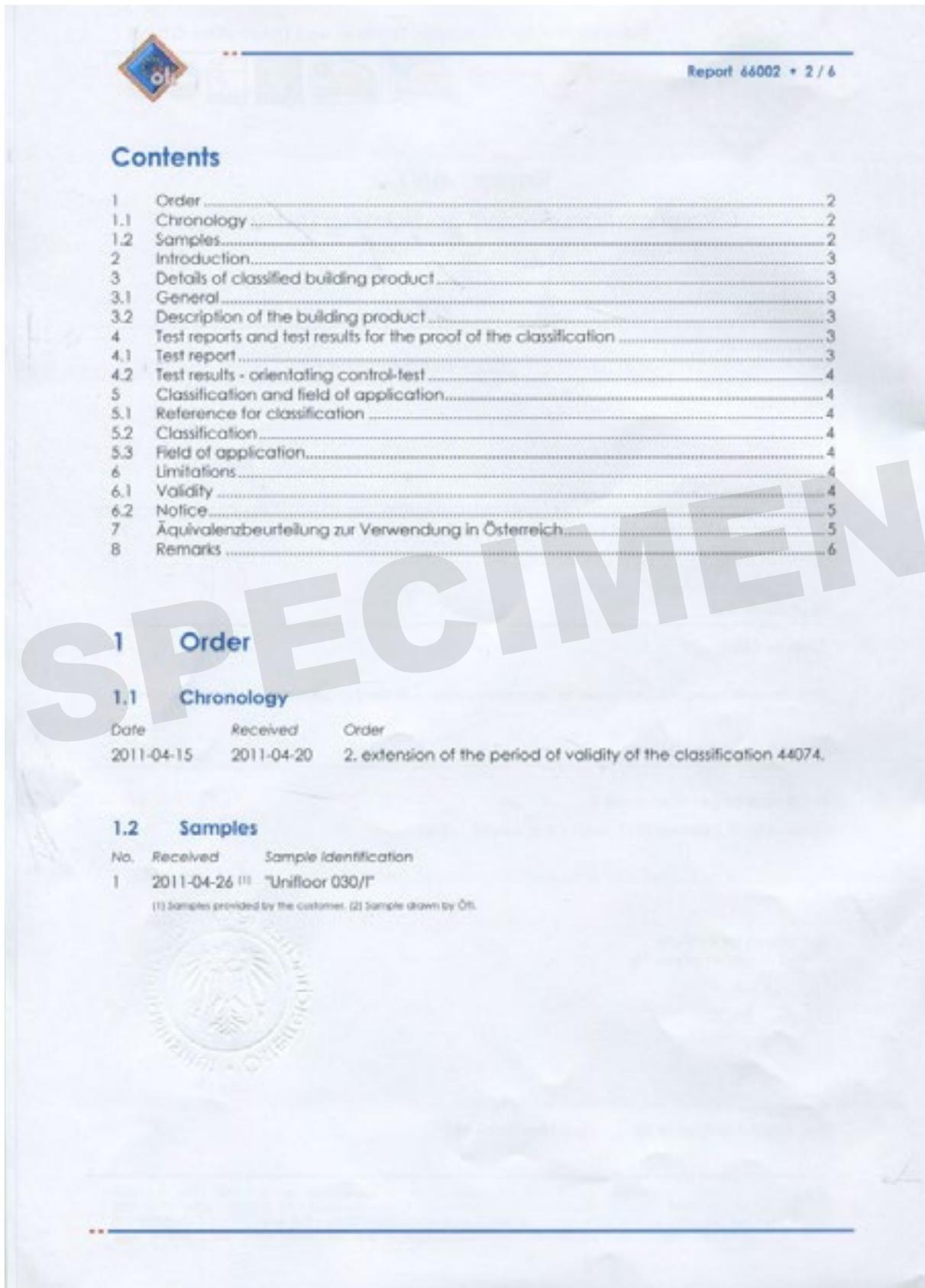
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# Fire Test Certificate - Specimen

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Type: EN13501-1



# Fire Test Certificate - Specimen

Fabric: Printed Joelmat

Type: EN13501-1



## 2 Introduction

This classification report defines the classification assigned to the building product "Unifloor 030/T" in accordance with the test methods fixed in EN 13501-1.

An orientating control-test of the burning behaviour of the submitted sample was performed. (See pt. 4.2)

## 3 Details of classified building product

### 3.1 General

The building product "Unifloor 030/T" 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:	non transparent wear layer
Structure of wearlayer:	smooth floor covering
Colouring:	plain (single coloured)
Dimensions:	rolls
Type of floor covering:	PVC floor covering with foam layer according to EN 651

	specification by ÖTI	specification by the applicant
Total mass	1260 g/m <sup>2</sup>	1300 g/m <sup>2</sup>
Total thickness	1.8 mm	2.0 mm
Density	--	1250 kg/m <sup>3</sup>

The applicant of this classification report guarantees the observance of the instructions of the product specification according to EN 651.

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

### 4.1 Test report

Laboratory	ÖTI
Test report number	44074
Date of issue of the classification report	29 <sup>th</sup> July 2003
Applicant	
Test methods	EN ISO 11925-2 and EN ISO 9239-1

# Fire Test Certificate - Specimen

Fabric: Printed Joelmat

Type: EN13501-1

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## 4.2 Test results - orientating control-test

	Test results	Number of tests
Burning behaviour, EN ISO 9239-1		
Critical radiant flux	≥ 11 kW/m <sup>2</sup>	1
Integral of smoke obscuration	95 %min	1

## 5 Classification and field of application

### 5.1 Reference for classification

This classification was carried out within the scope of the classification report **44074** from **29<sup>th</sup> July 2003** in accordance with EN 13501-1 pt. 11 and 12.2.

### 5.2 Classification

Due to the results of the orientating control-test which was carried out, the primordial classification of the building product "Unifloor 030/I" is approved.

Burning behaviour	Smoke emission
C <sub>s</sub>	s1
Classification	
C <sub>s</sub> -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 A1 <sub>s</sub> or A2 <sub>s</sub> with a density of at least 1350 kg/m <sup>3</sup> .
Installation	glued
Adhesive	Dispersion adhesive Eurocol 643 or similar Note: According to EN13501-1 the stated classification is valid for the tested floor covering together with the tested adhesive, as well as for all other adhesives of the same generic type as the tested adhesive.

## 6 Limitations

### 6.1 Validity

Based on the present documents and the results of the performed control-test the validity of the classification report **44074** can be confirmed.

The report stays valid as long as the products are produced in unchanged condition; this is in the responsibility of the manufacturer.

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## 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.

## 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		
Es	leichtbrennbar	B3
Fs <sup>1)</sup>		

<sup>1)</sup> Es wird darauf hingewiesen, dass die Europäische Klasse F auch die Tatsache ausdrücken kann, dass noch gar keine Klassifizierung stattgefunden hat.



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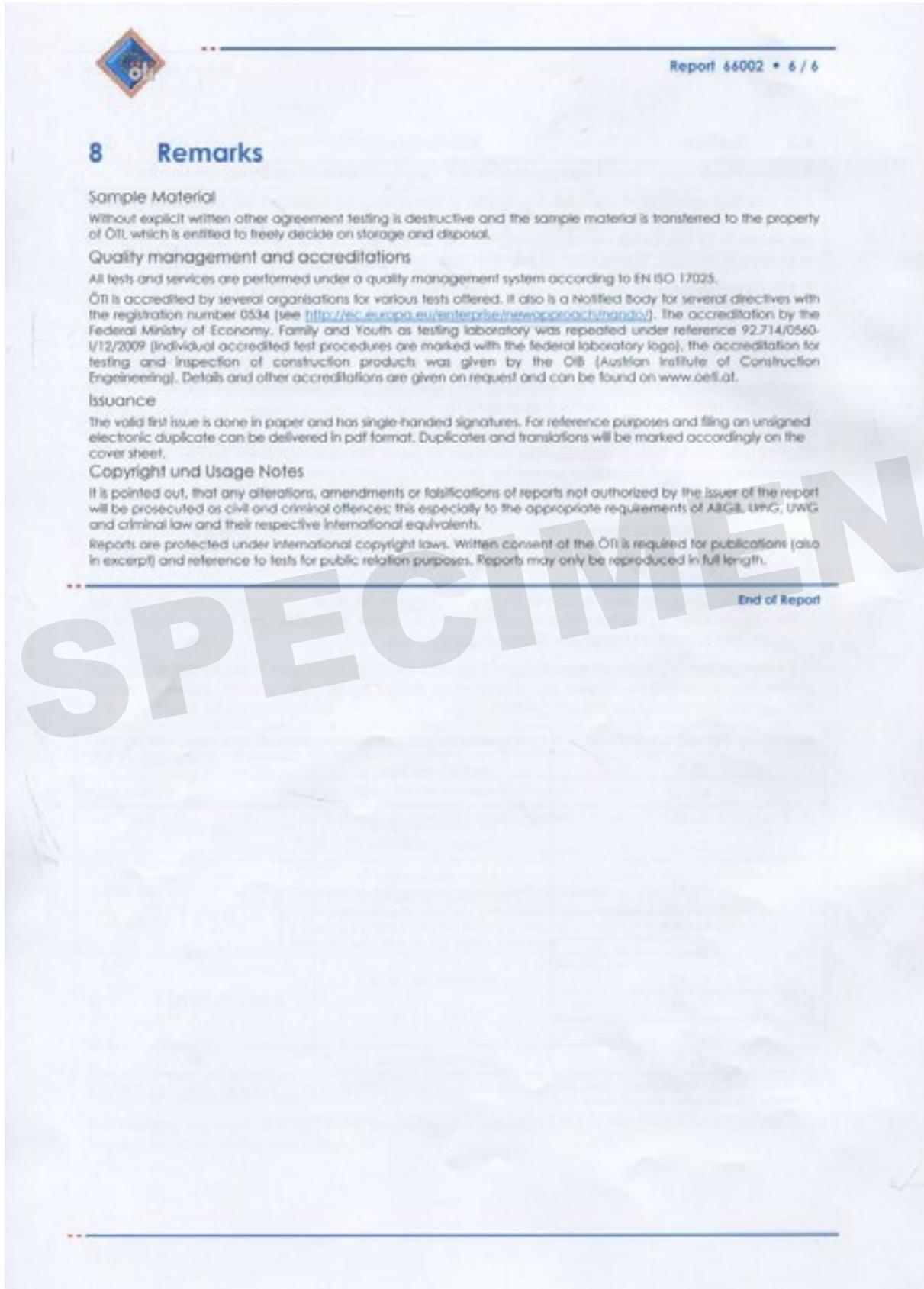
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