

**Rubber- or plastic-coated fabrics - Upholstery  
fabrics - Classification and methods of test**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15618:2009 sisaldab Euroopa standardi EN 15618:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.04.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 11.03.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 15618:2009 consists of the English text of the European standard EN 15618:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.04.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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The standard is available from Estonian standardisation organisation.

ICS 59.080.40, 97.140

**Võtmesõnad:**

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ICS 59.080.40; 97.140

English Version

## Rubber- or plastic-coated fabrics - Upholstery fabrics - Classification and methods of test

Supports textiles revêtus de caoutchouc ou de plastique -  
Etoffes d'ameublement - Classification et méthodes d'essai

Mit Kautschuk oder Kunststoff beschichtete Textilien -  
Möbelstoffe - Klassifizierung und Prüfverfahren

This European Standard was approved by CEN on 17 January 2009.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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## Contents

page

Foreword.....	3
Introduction.....	4
1 <b>Scope</b> .....	5
2 <b>Normative references</b> .....	5
3 <b>Terms and definitions</b> .....	6
4 <b>Requirements</b> .....	6
5 <b>Test report</b> .....	8
Bibliography.....	9

## Foreword

This document (EN 15618:2009) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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## Introduction

This European Standard introduces a system of categories. It is not possible to divide upholstery fabrics into just a few performance classes, because of the enormous variety of conditions of use. In addition, the type of upholstery (firm or soft) influences the abrasion of the upholstery fabric and hence the requirements to the abrasion resistance. There is, for example, a tremendous difference between furniture used in a room without windows and furniture which is directly exposed to sunlight, or between furniture used by elder people and furniture used by a family with small children. These differences in conditions and severity of use necessitate a flexible approach. This is done by defining a number of categories for each property. This allows to choose the appropriate category for each parameter and so to compose a "product profile", adapted to each specific type of use. This means that high resistance to abrasion can be combined with, for example, low colour fastness. However, due to the interrelation of some parameters, not all combinations will be possible. The categorisation system should not be interpreted as if an upholstery fabric needs to be rated "A" for all properties in order to obtain an "A" category.

Contrary to EN 14465, the fire behaviour of the coated fabrics has been taken into account.

## 1 Scope

This standard specifies a set of properties relevant to the assessment of upholstery coated fabrics for indoor furniture and the appropriate test methods to determine these properties. It also describes a matrix system to express the material properties of an upholstery fabric.

This standard applies to upholstery fabrics both in domestic and public use, except when used for the seats of road or railway vehicles, boats or aeroplanes.

This standard applies to upholstery fabrics with a coating on the wear face.

This standard does not apply to textile upholstery fabrics covered by EN 14465.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1021-1, *Furniture – Assessment of the ignitability of upholstered furniture – Part 1: Ignition source smouldering cigarette*

EN 1021-2, *Furniture – Assessment of the ignitability of upholstered furniture – Part 2: Ignition source match flame equivalent*

EN ISO 105-B02, *Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:1994, including amendment 1:1998)*

EN ISO 105-X12, *Textiles – Tests for colour fastness – Part X12: Colour fastness to rubbing (ISO 105-X12:2001)*

EN ISO 1421, *Rubber- or plastics-coated fabrics – Determination of tensile strength and elongation at break (ISO 1421:1998)*

EN ISO 2411, *Rubber- or plastics-coated fabrics – Determination of coating adhesion (ISO 2411:2000)*

EN ISO 4674-1, *Rubber- or plastics-coated fabrics – Determination of tear resistance – Part 1: Constant rate of tear methods (ISO 4674-1:2003)*

EN ISO 5402, *Leather – Physical and mechanical tests – Determination of flex resistance by flexometer method (ISO 5402:2002)*

EN ISO 5470-2, *Rubber- or plastics-coated fabrics – Determination of abrasion resistance – Part 2: Martindale abrader (ISO 5470-2:2003)*

EN ISO 5981, *Rubber- or plastics-coated fabrics – Determination of resistance to combined shear flexing and rubbing (ISO 5981:2007)*

prEN ISO 26081, *Leather – Physical and mechanical tests – Determination of soiling for domestic and contract upholstery leather (ISO/DIS 26081:2008)*

EN ISO 26082, *Leather – Physical and mechanical tests – Determination of soiling with rubbing for automotive leather (ISO 26082:2007)*

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