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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 14465:2003/A1**

June 2006

ICS 59.080.30; 97.140

English Version

## Textiles - Upholstery fabrics - Specification and methods of test

Textiles - Etoffes pour l'ameublement - Spécification et méthodes d'essai

Textilien - Möbelstoffe - Spezifikation und Prüfverfahren

This amendment A1 modifies the European Standard EN 14465:2003; it was approved by CEN on 22 May 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## Foreword

This document (EN 14465:2003/A1:2006) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

This Amendment to the European Standard EN 14465:2003 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2006, and conflicting national standards shall be withdrawn at the latest by December 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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**EN 14465:2003/A1:2006 (E)****2 Normative references**

Change the reference to prEN ISO 13936-2 as follows:

EN ISO 13936-2, *Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method (ISO 13936-2:2004)*

**3 Terms and definitions**

Delete definitions 3.1, 3.3, 3.4, 3.6 and 3.7 and substitute with the following:

**3.1****flat woven fabric**

woven fabric with warp threads and weft threads crossing at right angles

**3.3****knitted fabric**

fabric produced from threads by looping.

NOTE Knitted fabrics are divided into weft and warp-knitted fabrics

**3.4****pile fabric**

fabric which, in addition to the ground thread systems, includes a third thread system forming the pile

**3.6****nonwoven fabric**

fabric with ultrafine fibres being mechanically, thermally or chemically bound with each other and thus forming a chamois-like surface

**3.7****raised fabric**

fabric having a surface with a nap finish, e.g. a brushed surface

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Table 1 - Material properties

Delete the existing table and substitute with the following:

Property	Test Method	Units	Performance level				
			A	B	C	D	E
Tensile strength <sup>a)</sup>	EN ISO 13934-1	N	≥ 600	≥ 400	≥ 350	≥ 250	
Tear strength <sup>a)</sup>	EN ISO 13937-3	N	≥ 40	≥ 30	≥ 25	≥ 20	≥ 15
Seam slippage <sup>a)</sup>	EN ISO 13936-2	mm	≤ 4	≤ 6	≤ 8		
a) these properties shall be determined for all fabrics except for knitted fabrics and nonwovens							
Bursting strength <sup>b)</sup>	EN ISO 13938 –1	kPa	≥ 600	≥ 400	≥ 200		
b) this property shall be determined only for knitted fabrics and nonwovens; a diaphragm of 50 cm <sup>2</sup> and a volume increase of 100 cm <sup>3</sup> /min shall be used							
Abrasion resistance	see Annex A of this EN:	rubs (x 1 000)					
	flat woven fabrics		≥ 35	12-30	4-10		
	chenille fabrics		≥ 35	12-30	4-10		
	knitted fabrics		≥ 35	12-30	4-10		
	cut pile fabrics		≥ 45	25-40	10-20		
	uncut pile fabrics		≥ 45	25-40	10-20		
	flock		≥ 45	25-40	10-20		
	nonwovens		≥ 45	25-40	10-20		
raised fabrics	≥ 35	12-30	4-10				
Pilling resistance <sup>c)</sup>	EN ISO 12945-2 after 2 000 rubs	grade 1 to 5	≥ 4-5	4	3-4	3	
c) this property shall be determined for flat woven fabrics, knitted fabrics (without pile), uncut pile fabrics and nonwovens; the standard wool abradant (as described in EN ISO 12947-1) shall be used and the performance level shall be determined after 2 000 rubs, but the test shall be continued to 5 000 rubs and the rating (on the scale of 1 to 5) at that point shall also be reported. The test result at 5 000 rubs is purely informative;							
Colour fastness to light <sup>d)</sup>	EN ISO 105 B02 (method 2) <sup>e)</sup>	grade 1 to 8	≥ 6	≥ 5	≥ 4		
Colour fastness to rubbing (dry)	EN ISO 105 X12	grade 1 to 5	≥ 4-5	4	3-4		
Colour fastness to rubbing (wet)	EN ISO 105 X12	grade 1 to 5	≥ 3-4	3	2-3		
d) an allowance of ½ scale point is made for light colours; e) method 3 may be used for quality control purposes.							

**EN 14465:2003/A1:2006 (E)****Table 2- Material properties**

*Delete the existing note and substitute the following:*

NOTE In particular for light shades and undyed fabrics it may be useful to obtain additional information on colour fastness to water spotting. To this purpose the test method described in ISO/DIS 105-E16 can be used.

**Clause 5 Test report**

*Delete the existing text and substitute the following:*

**5 Presentation of test results and classification**

Annex B (informative) gives a non-mandatory example of how test results and classification data can be presented.

**Clause A.5.2 Magnification device**

*Delete the existing text and substitute the following:*

A suitable magnification device, with a magnification factor of 8 or 10, shall be used in order to recognise completely broken threads or loops. The magnification factor of the device shall be reported.

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**Annex B Determination of the colour fastness to water spotting**

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*Delete the existing Annex and renumber the existing Annex C as Annex B.*

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*Under the heading seam slippage, delete "prEN ISO 13936-2" and substitute "EN ISO 13936-2"*

**Bibliography**

*Delete the references to EN 20139 and SS 25 12 50 and substitute the following:*

EN ISO 139, *Textiles - Standard atmospheres for conditioning and testing (ISO 139:2005)*

ISO/DIS 105-E16, *Textiles -- Tests for colour fastness -- Part E16: Colour fastness to water spotting on upholstery fabrics*