



SLOVENSKI STANDARD
SIST EN 15115:2007

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Textile floor coverings - Determination of sensitivity to spilled water

Textile Bodenbeläge - Bestimmung der Wasserfleckenempfindlichkeit

Revetements de sol textiles - Détermination de la sensibilité aux taches d'eau

Ta slovenski standard je istoveten z: EN 15115:2006

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ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

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ICS 59.080.60

English Version

Textile floor coverings - Determination of sensitivity to spilled water

Revêtements de sol textiles - Détermination de la sensibilité aux taches d'eau

Textile Bodenbeläge - Bestimmung der Wasserfleckenempfindlichkeit

This European Standard was approved by CEN on 21 October 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a 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 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 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
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 15115:2006) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, the secretariat of which is held by BSI.

This Amendment to the European Standard EN 15115:2006 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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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1 Scope

This European Standard specifies a method to determine the sensitivity of a textile floor covering for change in colour or structure after water has been spilled on the surface.

This change can be due to a real colour change or to a migration and concentration of chemicals from pre-coat or backing during the drying process. This concentration of chemicals on a part of the surface is one of the major causes of accelerated uneven soiling of textile floor covering.

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 1471, *Textile floor coverings — Assessment of changes in appearance*

EN 20105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

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

EN ISO 3696, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

ISO 1957, *Machine-made textile floor coverings — Selection and cutting of specimens for physical tests*

3 Principle

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A measured amount of water is poured on a test specimen, which is then left to dry. After drying the visibility of the water stain is assessed with grey scales.

4 Apparatus

- a) Calibrated cylinder, measuring 100 ml
- b) Large greyscale according to EN 20105-A02
- c) Demineralised water, complying with Grade 3 of EN ISO 3696

5 Sampling and selection of test specimens

Select a specimen of 500 mm × 500 mm in accordance with ISO 1957.

NOTE 1 Alternatively, if subsequent soiling is to be carried out, the specimen size could be chosen to fit the requirements and apparatus of the soiling method.

NOTE 2 For patterned floor coverings or those with distinct areas of differing construction, it may be necessary to carry out the test using multiple test specimens in order to assess the overall sensitivity of the floor covering to water spillages.

6 Atmosphere for conditioning and testing

The specimens shall be conditioned for at least 24 h in the standard atmosphere for testing textiles specified in EN ISO 139 ((20 ± 2) °C) / (65 ± 2) % RH), prior to testing. The specimens shall be laid out singly, use-surface uppermost.

7 Procedure

Place the specimen on a flat waterproof plate or support (preferably ceramic or plastic).

From a maximum height of 15 cm, slowly pour 100 ml of the demineralised water onto the middle of the specimen in such a way that it does not drip off from the surface of the specimen but is completely absorbed into it.

The water should be applied within (120 ± 20) s.

Leave the wet specimens on the flat waterproof support to dry in the standard atmosphere (for testing textiles) to constant weight (at least 48 h).

8 Evaluation

Place the test specimen on the rotating observation table as defined in EN 1471 and use the observation conditions specified in EN 1471. Assess the difference between the stained and unstained area by means of the large greyscales and report the median of the individual results.

9 Test report

The test report shall contain the following information:

- a reference to this European Standard, i.e. EN 15115;
- b complete identification of the product tested, including type, source, colour and manufacturer's reference numbers;
- c previous history of the sample;
- d median of assessment notes according to Clause 8;
- e any deviation from this standard which may have affected results.

Bibliography

- [1] EN ISO 105-A01, *Textiles — Tests for colour fastness — Part A01: General principles of testing (ISO 105-A01:1994)*

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