



SLOVENSKI STANDARD
SIST EN 1318:2006

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SIST EN 1318:1999

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Textile floor coverings - Determination of the apparent effective thickness of the backing

Textile Bodenbeläge - Bestimmung der sichtbaren Dicke von Rückenbeschichtungen

(standards.iteh.ai)

Revetements de sols textiles - Détermination de l'épaisseur apparente de la sous-couche

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Ta slovenski standard je istoveten z: EN 1318:2005

ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

SIST EN 1318:2006

en,fr,de

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English Version

Textile floor coverings - Determination of the apparent effective
thickness of the backingRevêtements de sols textiles - Détermination de l'épaisseur
apparente de la sous-coucheTextile Bodenbeläge - Bestimmung der sichtbaren Dicke
von Rückenbeschichtungen

This European Standard was approved by CEN on 26 October 2005.

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.

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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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard (EN 1318:2005) has been prepared by Technical Committee CEN/TC 134 “Resilient, textile and laminate floor coverings”, 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 June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

This document supersedes EN 1318:1996.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EN 1318:2005 (E)

1 Scope

This European Standard specifies a method for the determination of the apparent effective thickness of the backing of textile floor coverings.

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.

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

ISO 2424:1992, *Textile floor coverings — Vocabulary*

3 Terms and definitions

For the purposes of this European Standard, the following term and definition applies, but see also ISO 2424:1992 for the definition of the terms quoted in Figure A.1.

3.1

apparent effective thickness (ea) of the backing

distance between the lower surface of the backing and the lowest point of the surface of the layer which is immediately above (back coating, primary backing etc. see Annex A) ignoring any reinforcements included in the backing

4 Principle

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A transverse cross section of the textile floor covering is examined microscopically and the distance between the upper and lower surfaces of the backing is measured optically, care being taken to ensure that the backing is not compressed in any way.

5 Apparatus

5.1 Optical device with a minimum magnification of x 2, fitted capable of measuring to 0,1 mm accuracy.

5.2 Cutting device to cut the specimens so that the cut edges are clean and rectilinear (for example a press knife or guillotine).

6 Specimens

Take a representative full production width sample of the floor covering in accordance with the method given in ISO 1957.

Select the locations for sampling of three specimens in the form of strips 10 mm to 30 mm wide and 150 mm to 200 mm long, 50 mm from each selvedge with the length of the specimens perpendicular to the direction of manufacture. Attach to the backing a coloured adhesive textile tape carefully choosing the location to ensure the presence of tape on the longitudinal cross-section of the samples. Ensure adhesion by gently pushing the adhesive tape to the backing.

Cut each strip (backing side up) so that the cut edges are clean and perpendicular to the underside of the backing.

Allow the sample to rest for at least 24 h so that the compressions from the attachment of the adhesive tape and from the cutting can recover.

NOTE Clean the cutting knife with acetone after every cutting. This will remove any adhesive that was left on the knife and will increase the cleanliness of the cut.

7 Test procedure

7.1 For pile carpets

Place the specimen on its cut edge so that its longitudinal cross-section with the adhesive tape is within the field of the optical device and focus the image.

Align the lower face of the backing with the reference zero mark on the graduated eyepiece.

Record the division number between the zero mark and the mark coinciding with the edge of the lower face of the back-coating in line with the roots of the pile.

Carry out three measurements per specimens, evenly spaced over the specimen.

7.2 For other textile floor coverings

Proceed as specified in 7.1 but record the division number between the zero mark and the mark coinciding with the edge of the lower face of the next visible layer above the backing (coating).

8 Calculation and expression of the results

Express the apparent effective thickness of backing (e_a) as the mean of the 9 measurements to $\pm 0,1$ mm.

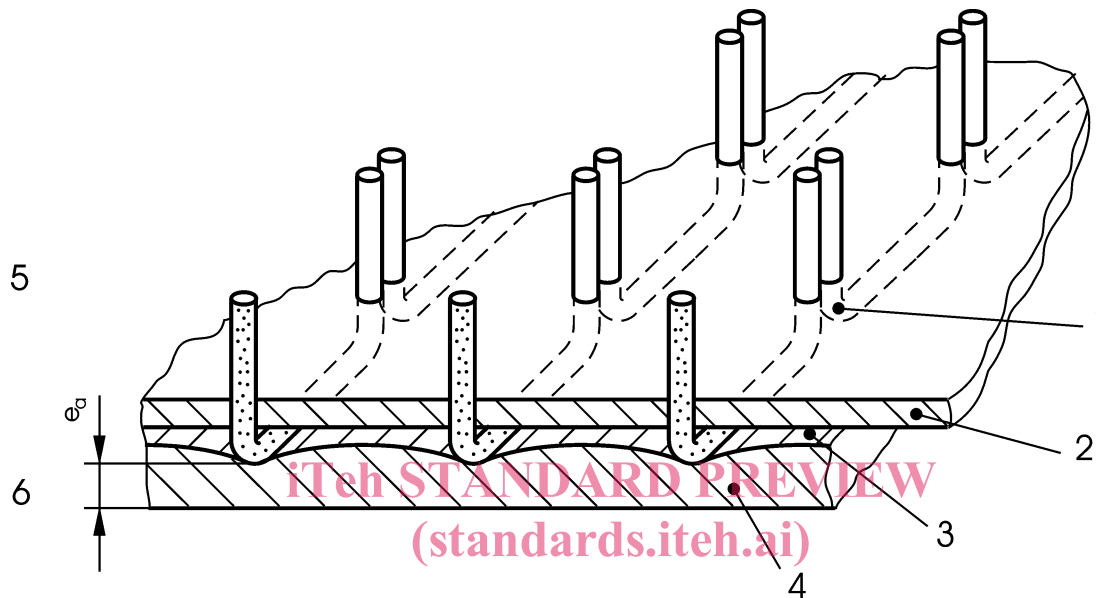
9 Test report

The test report shall contain the following information:

- a) reference to this European standard i.e. EN 1318;
- b) mean value of the test results according to Clause 8;
- c) individual values;
- d) any deviation from this standard which may have affected the results.

Annex A (informative)

Cross-section



Key

- 1 Pile
- 2 Primary backing
- 3 Coating
- 4 Backing
- 5 Use surface
- 6 Substrate

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Figure A.1