



SLOVENSKI STANDARD
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

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

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ICS:

59.080.60 Tekstilne talne obloge Textile floor coverings

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EUROPEAN STANDARD

EN 1318

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 59.080.60

Descriptors: textiles, floor coverings, textile coverings, tests, dimensional measurements, thickness

English version

**Textile floor coverings - Determination of the
apparent effective thickness of the backing**Revêtements de sol textiles - Détermination de
l'épaisseur apparente utile de la sous-coucheTextile Bodenbeläge - Bestimmung der sichtbaren
Dicke von Rückenbeschichtungen**(standards.iteh.ai)**

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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.

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CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENEuropean Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 134 "Revêtements de sol résilients et revêtement de sol textiles", 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of an identical text or by endorsement, at the latest by June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 1957 1986 Machine-made textile floor coverings - Sampling and cutting specimens for physical tests

ISO 2424 1992 Textile floor coverings - Vocabulary

3 Definitions

For the purpose of this European Standard, the following definition applies, but see also ISO 2424 for the definition of the terms quoted in the diagram in annex A :

Apparent effective thickness (e_a) of the backing:

Distance between the lower surface of the backing and the lowest point the of 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

A transverse cross section of the textile floorcovering 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.

Then take three specimens in the form of strips 10 mm to 30 mm wide and 150 mm to 200 mm long, in the centre of the sample and 50 mm from each selvedge with the length of the specimens perpendicular to the direction of manufacture.

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

7 Test procedure

7.1 For pile carpets

Place the specimen on its cut edge so that its longitudinal cross-section 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.

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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.

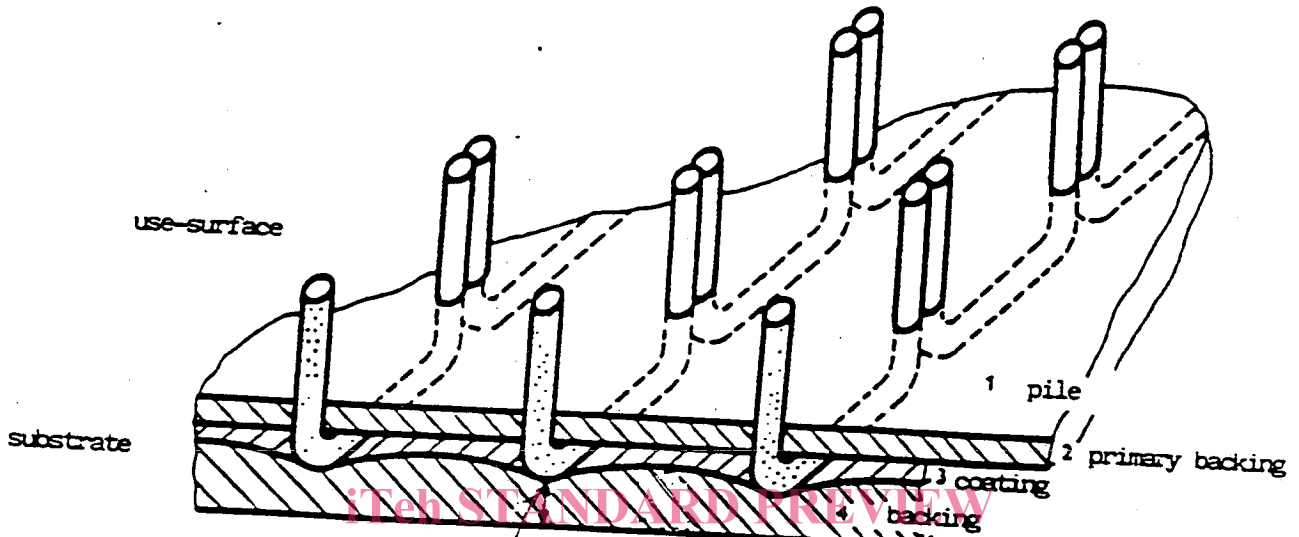
9 Test report

The test report shall contain the following information :

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

Annex A (normative)

Cross section



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