



SLOVENSKI STANDARD
SIST EN 429:1999
01-marec-1999

Netekstilne talne obloge - Ugotavljanje debeline plasti

Resilient floor coverings - Determination of the thickness of layers

Elastische Bodenbeläge - Bestimmung der Dicke der Schichten

Revetements de sol résilients - Détermination de l'épaisseur des couches

Ta slovenski standard je istoveten z: EN 429:1993

[SIST EN 429:1999](https://standards.iteh.ai/catalog/standards/sist/c4548bfb-cc40-4422-bd50-e545df98fa57/sist-en-429-1999)

<https://standards.iteh.ai/catalog/standards/sist/c4548bfb-cc40-4422-bd50-e545df98fa57/sist-en-429-1999>

ICS:

97.150 Netekstilne talne obloge Non-textile floor coverings

SIST EN 429:1999

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 429:1999

<https://standards.iteh.ai/catalog/standards/sist/c4548bfb-cc40-4422-bd50-e545df98fa57/sist-en-429-1999>

EUROPEAN STANDARD

EN 429

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1993

UDC 698.7:692.535.6:645.13:620.1:531.717

Descriptors: Floor coverings, resilient floor coverings, dimensional measurements, thickness

English version

**Resilient floor coverings - Determination of the
thickness of layers**

Revêtements de sol résilients - Détermination de l'épaisseur des couches
Elastische Bodenbeläge - Bestimmung der Dicke der Schichten

(standards.iteh.ai)SIST EN 429:1999

<https://standards.iteh.ai/catalog/standards/sist/c4548bfb-cc40-4422-bd50-e545df98fa57/sist-en-429-1999>

This European Standard was approved by CEN on 1993-09-27. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

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

Page 2
EN 429:1993

Foreword

This European Standard was prepared by CEN/TC 134 "Resilient and textile 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 March 1994, and conflicting national standards shall be withdrawn at the latest by March 1994.

The Standard was approved and in accordance with the CEN/CENELEC Internal Regulations, 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, United Kingdom.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 429:1999

<https://standards.iteh.ai/catalog/standards/sist/c4548bfb-cc40-4422-bd50-e545df98fa57/sist-en-429-1999>

1 Scope

This European Standard specifies a method for determining the thickness of different layers of resilient floor coverings, where these can be identified.

2 Definition

For the purposes of this standard, the following definition applies.

layer: A component part of a resilient floor covering with a given thickness and the same composition throughout.

3 Principle

The thickness of layers is measured directly by optical means.

4 Apparatus

4.1 A microscope, preferably binocular, magnification 40 to 50 times, incorporating a micrometric scale readable to within 0,01 mm.

4.2 A stage carrier for holding the test pieces.

4.3 A lamp with an adjustable convergent lens and diaphragm.

4.4 Fine, sharp blade.

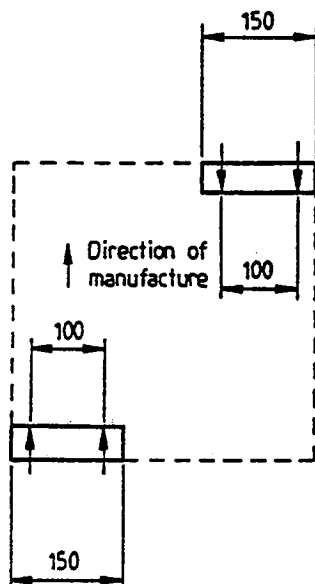
4.5 Metal rule.

5 Sampling and preparation of test pieces

Take a representative sample from the available material.

For sheet floor coverings, take a test piece of minimum width 100 mm across the full width of the sample. Mark and cut out at regular intervals from the sample a minimum of 10 test pieces of minimum dimensions 25 mm x 10 mm, the first and last being about 100 mm from the edges. Use a fine sharp blade guided by a metal rule and kept perpendicular to cut out the test pieces.

For tile floor coverings, take five tiles and from each, cut two marked test pieces as shown in figure 1.



Dimensions in millimetres.

Figure 1: Test pieces for tiles

6 Conditioning

Condition the test pieces at a temperature of $(23 \pm 2) ^\circ\text{C}$ and relative humidity of $(50 \pm 5) \%$ for a minimum of 24 h.

Maintain these conditions when carrying out the test.

7 Procedure

Place the test piece on the mechanical stage carrier in the holding device to expose its full thickness.

Adjust the mechanical stage carrier so that either the centre of the visual field (middle of the graduated scale), or the zero on the graduated scale is on the line separating the surface layer from the other layers.

Count the number of divisions on the graduated scale from the line separating the layers to the other edge of the layer to be measured.

Record the value to 0,01 mm.

Repeat the procedure on the other test pieces.

8 Calculation and expression of results

Calculate the mean value of thickness for each layer from the number of measurements taken, and express these results to the nearest 0,01 mm.

9 Test report

The test report shall contain the following information:

- a) a reference to this standard, i.e. EN 429;
- b) a complete identification of the product treated, including type, source, colour and manufacturer's reference numbers;
- c) previous history of the sample;
- d) the mean value of thickness for each measured layer;
- e) any deviation from this standard which may have affected the results.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 429:1999

<https://standards.iteh.ai/catalog/standards/sist/c4548bf6-cc40-4422-bd50-e545df98fa57/sist-en-429-1999>